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#### 4. Moving Base Code structure

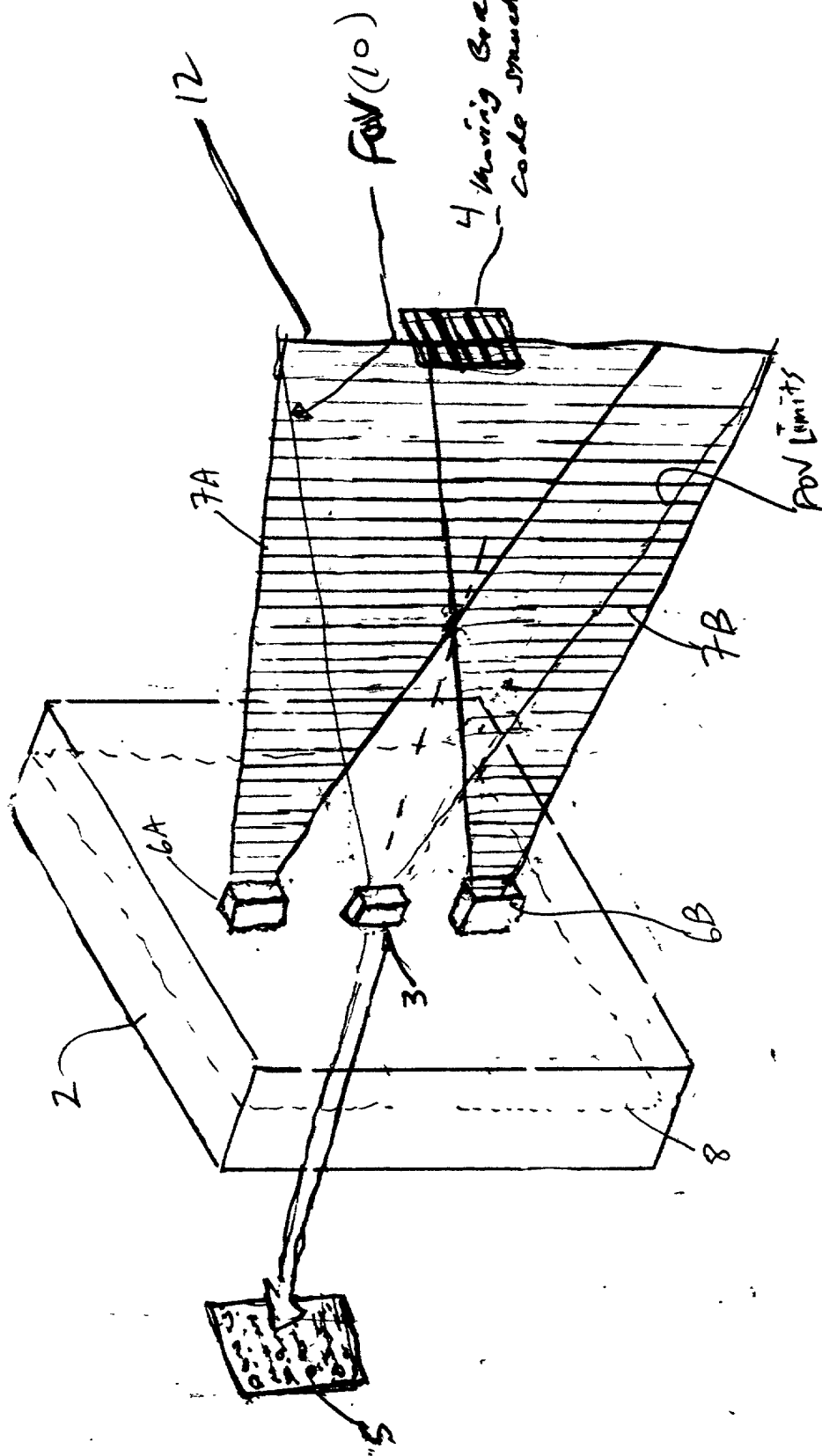


FIG 1A

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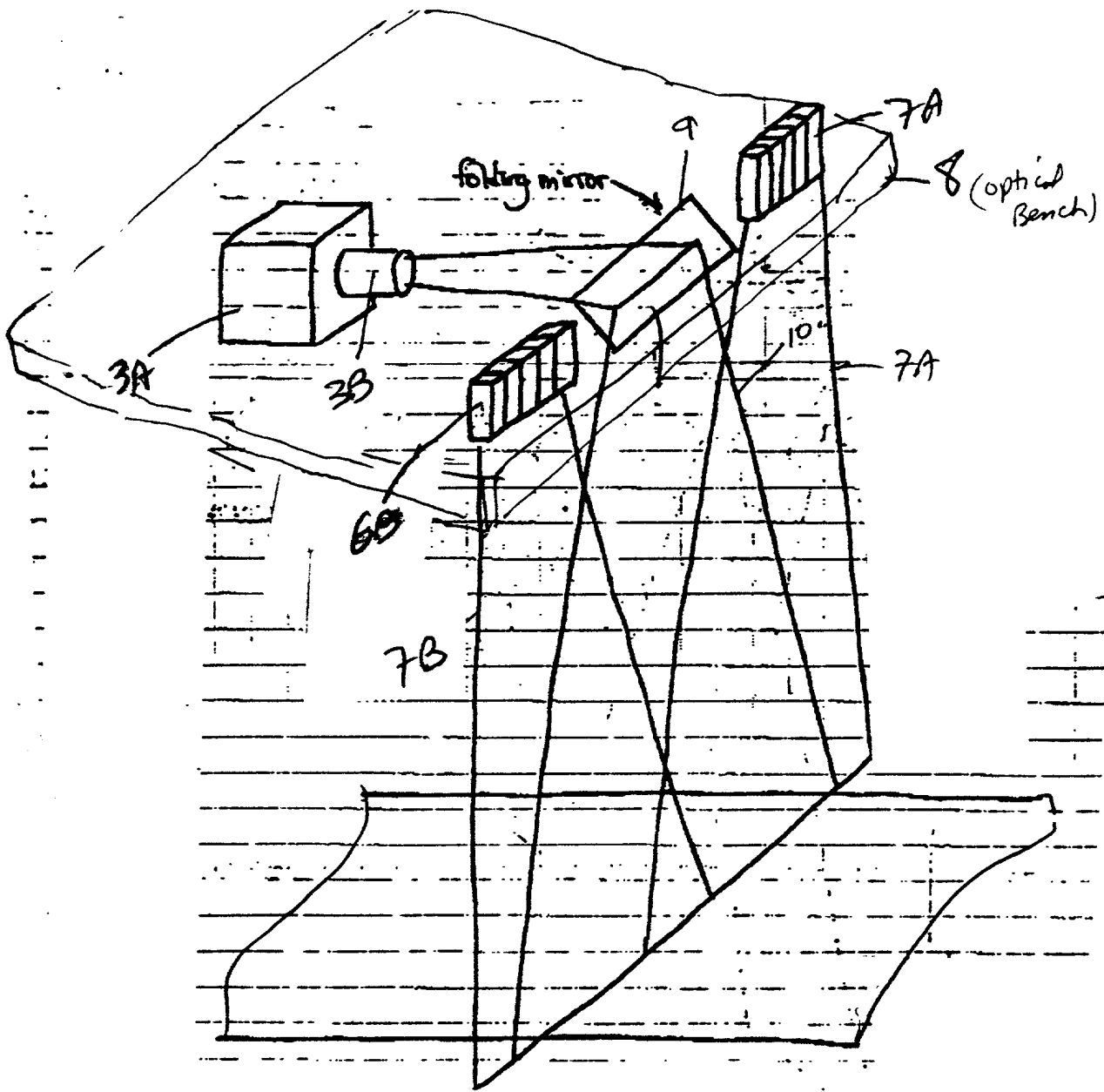


FIG. 1B1

1A

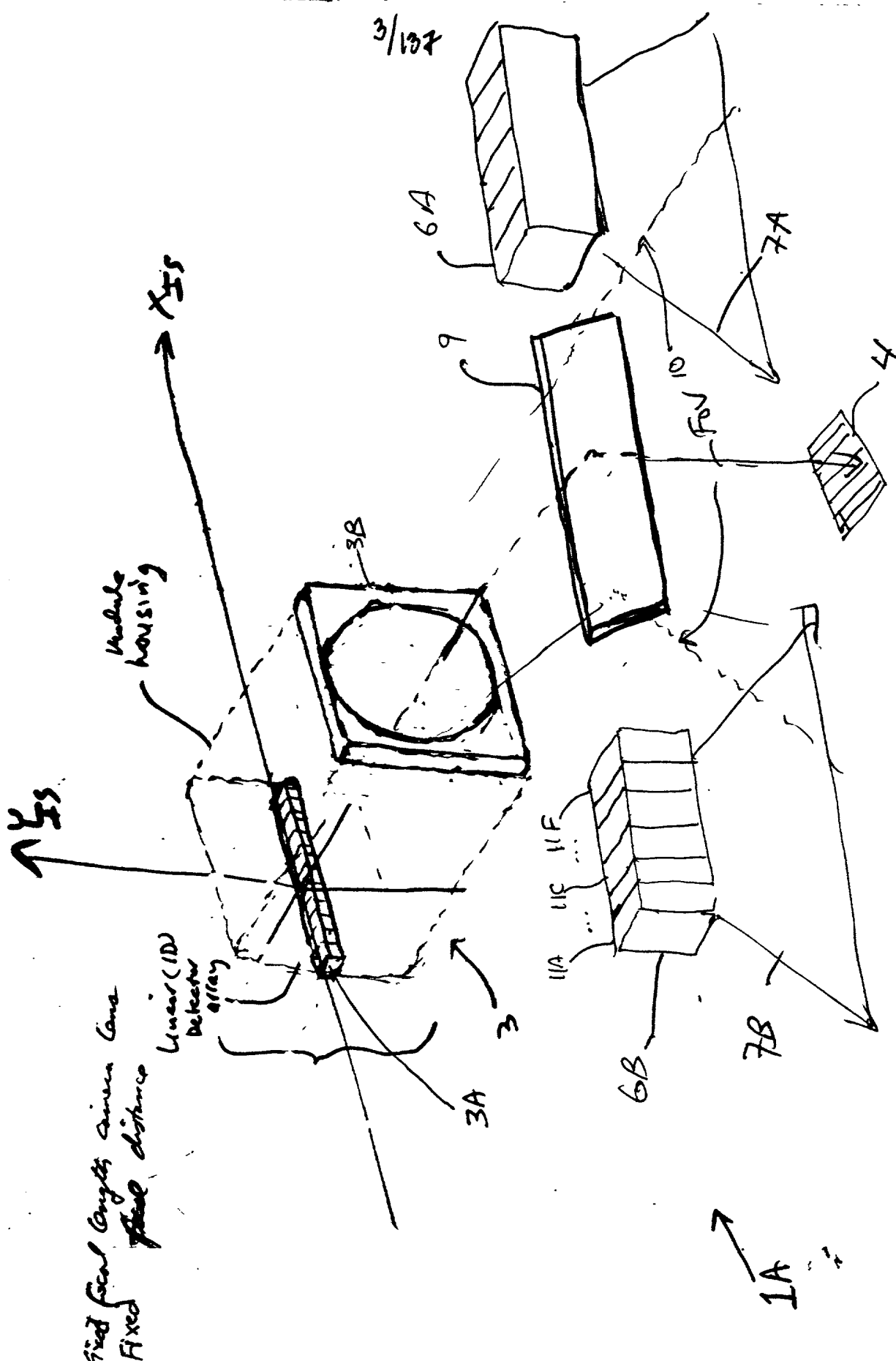


FIG. 1B2

Fixed focal length sensor  
Fixed field distance

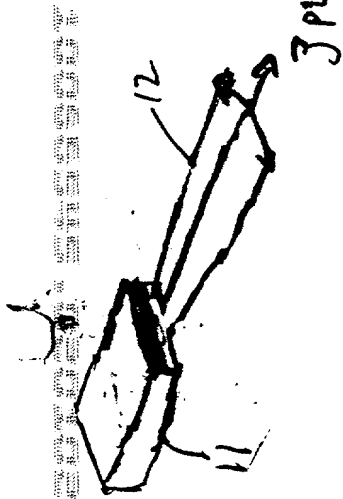


FIG. 1C

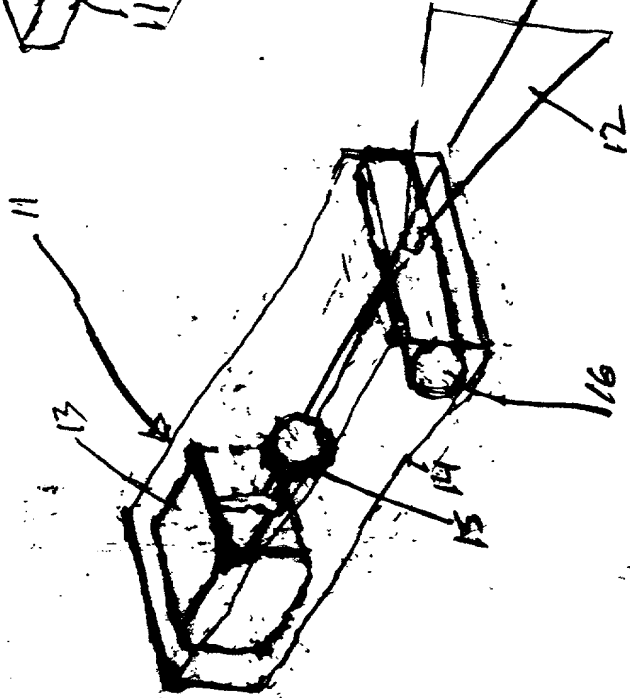


FIG. 1D

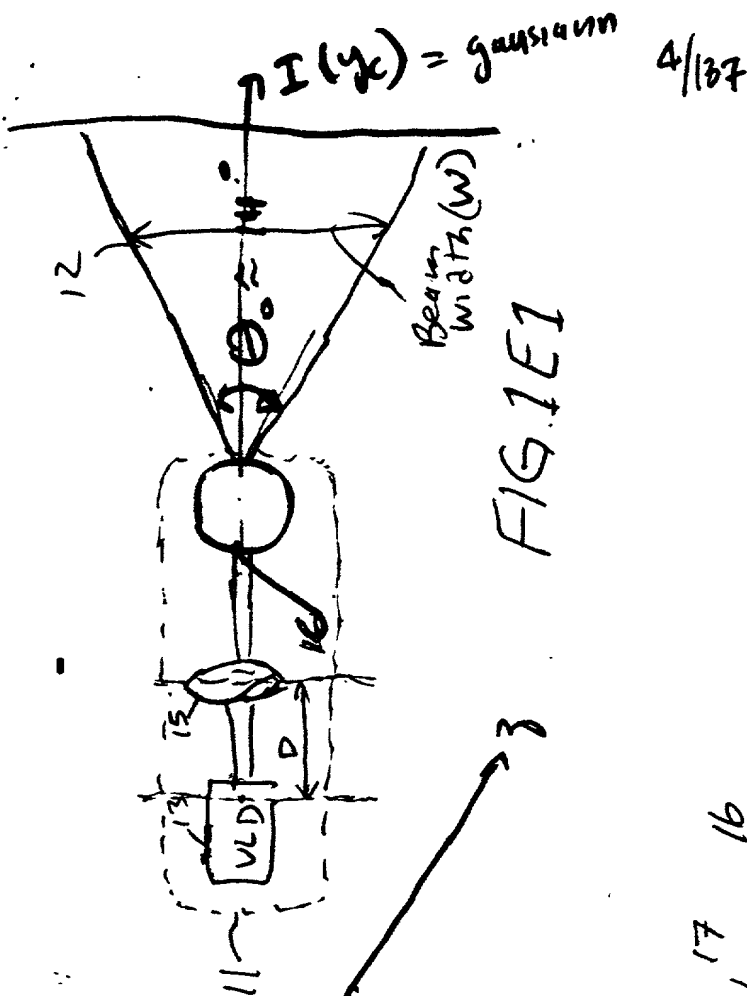


FIG. 1E1

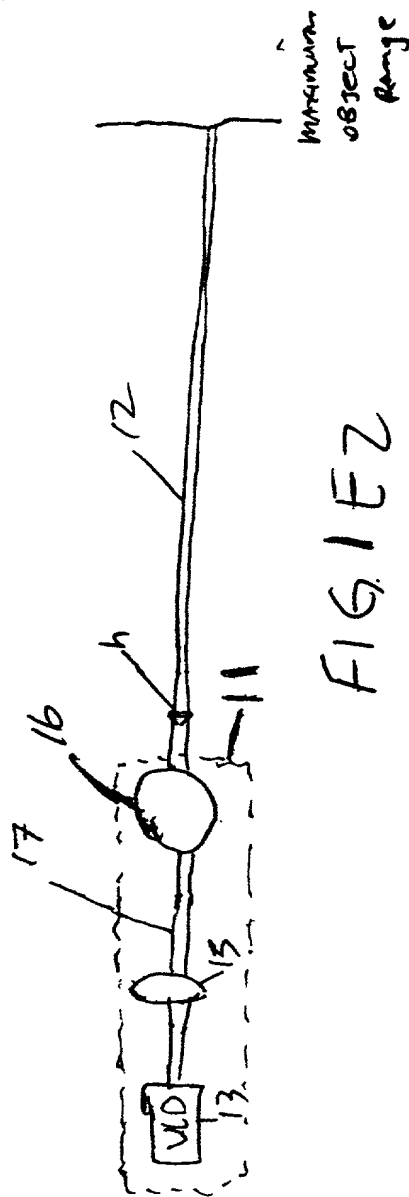


FIG. 1E2

Maximum  
object  
range

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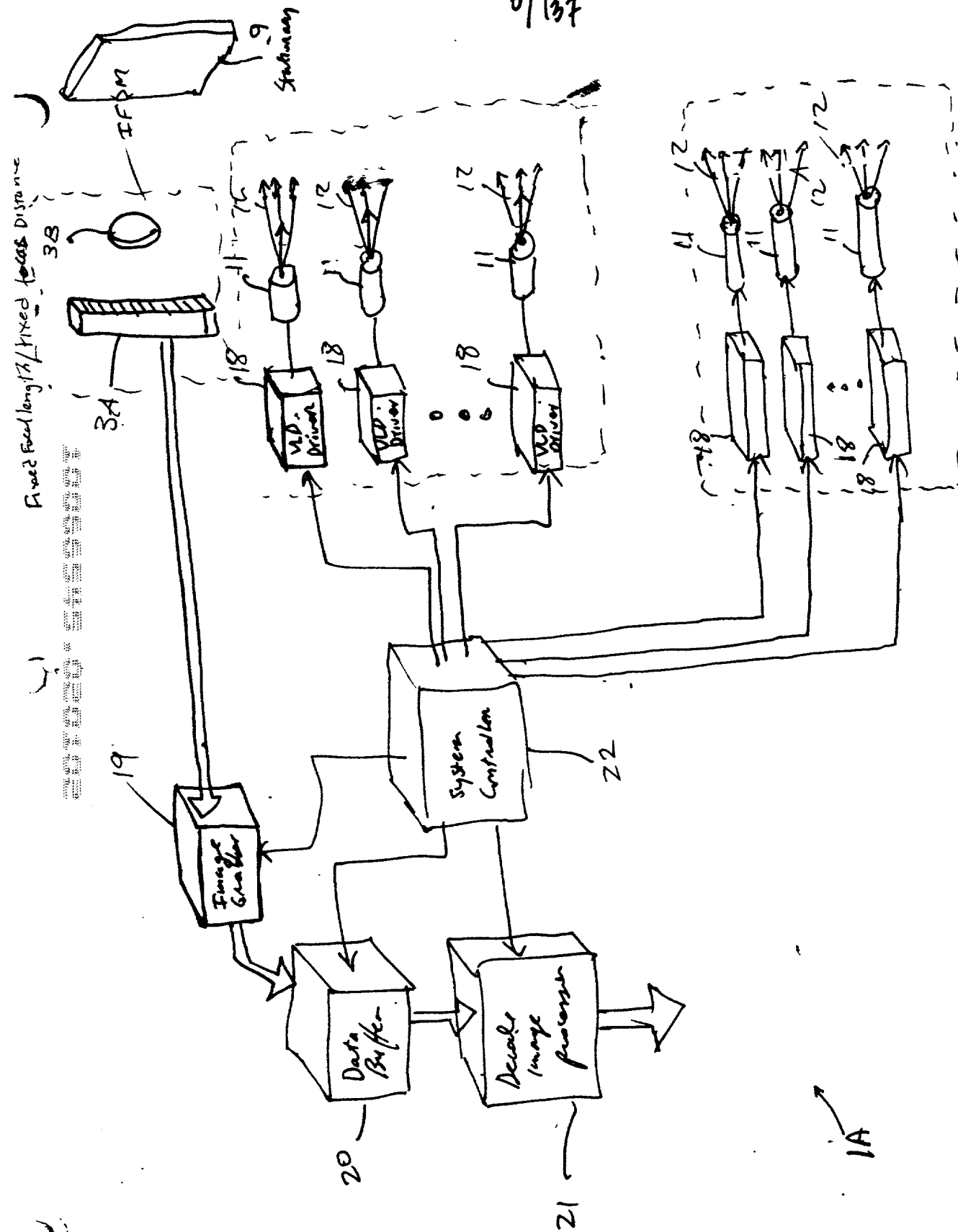
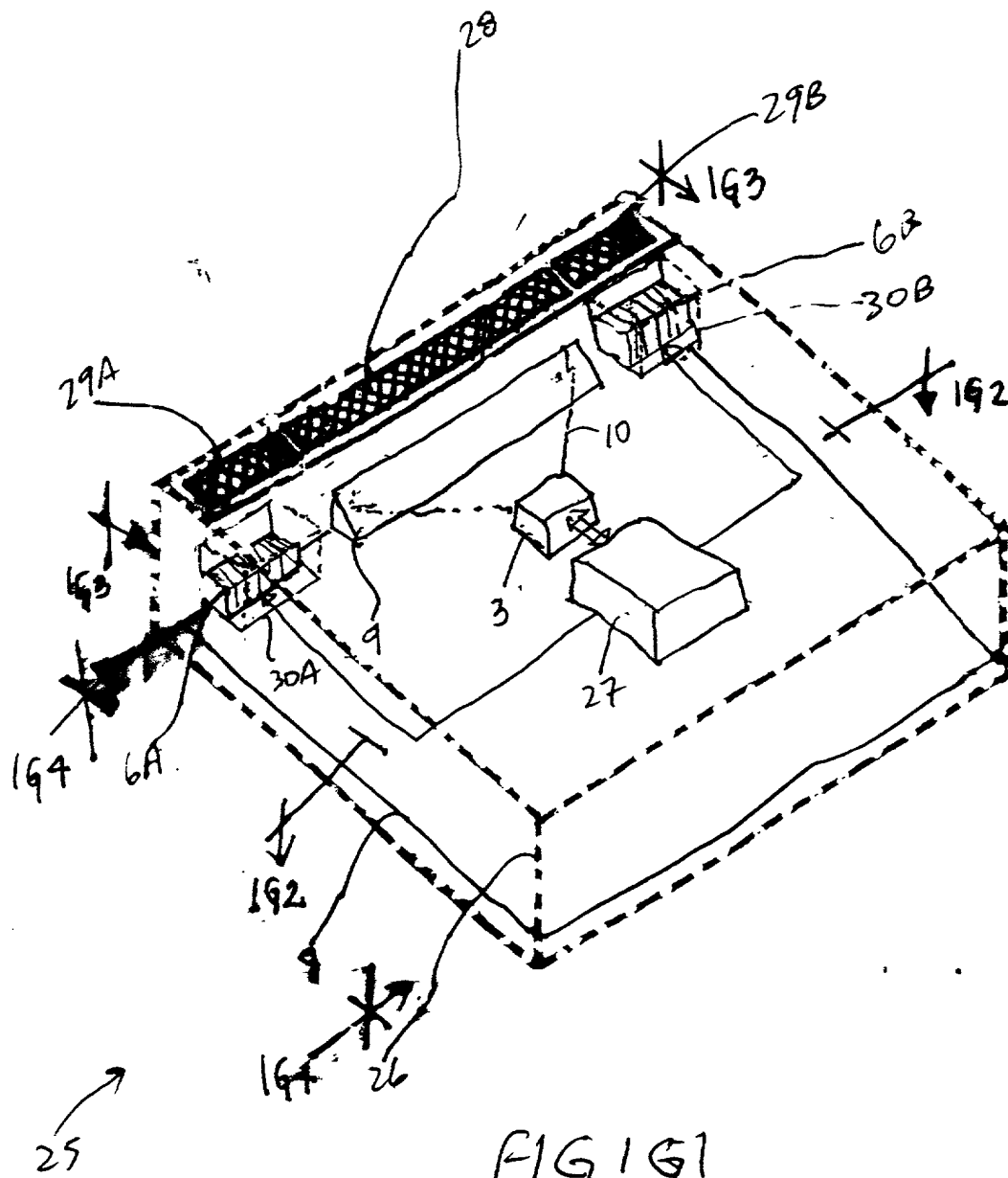


FIG. 1F

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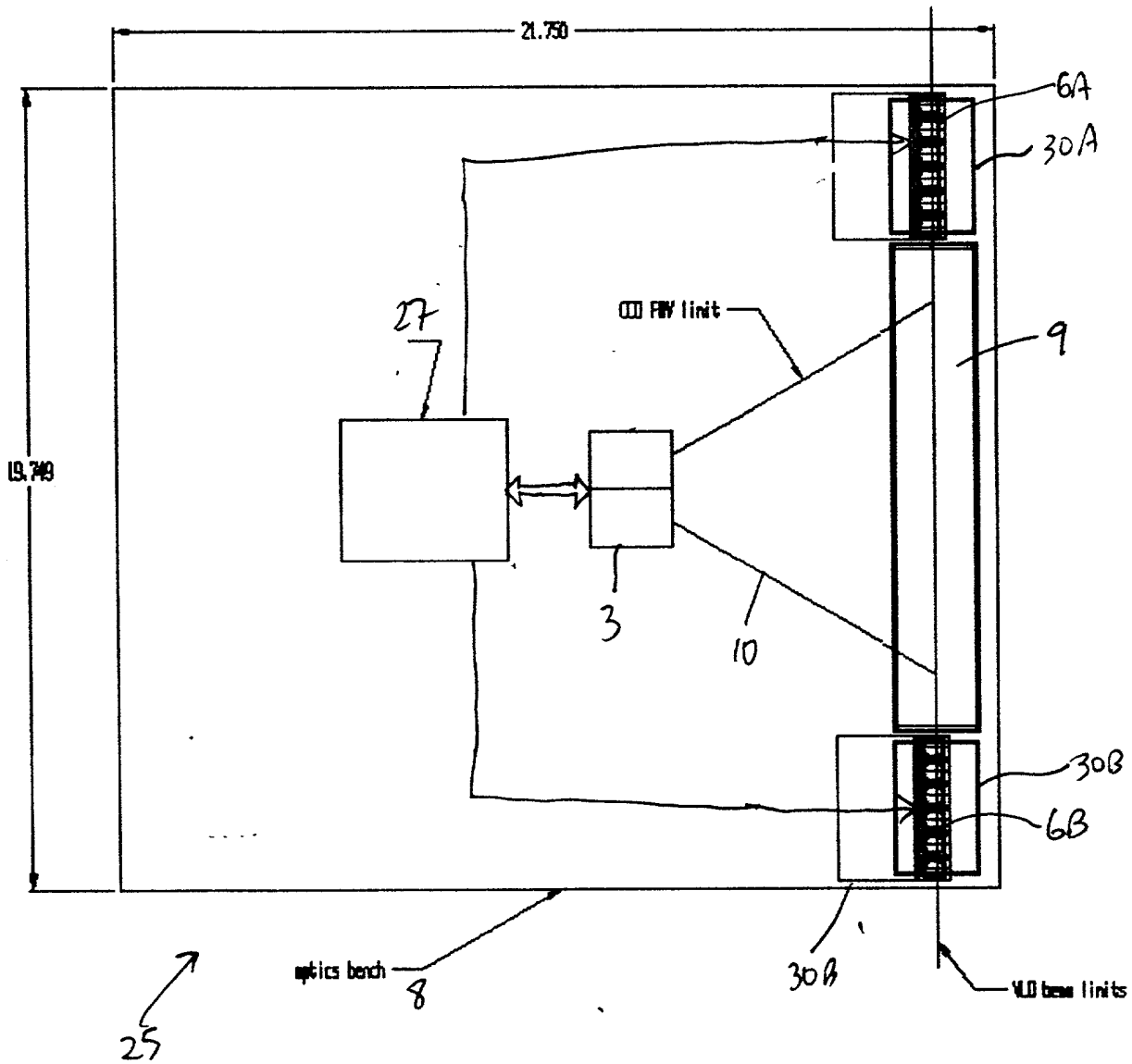


FIG. 162

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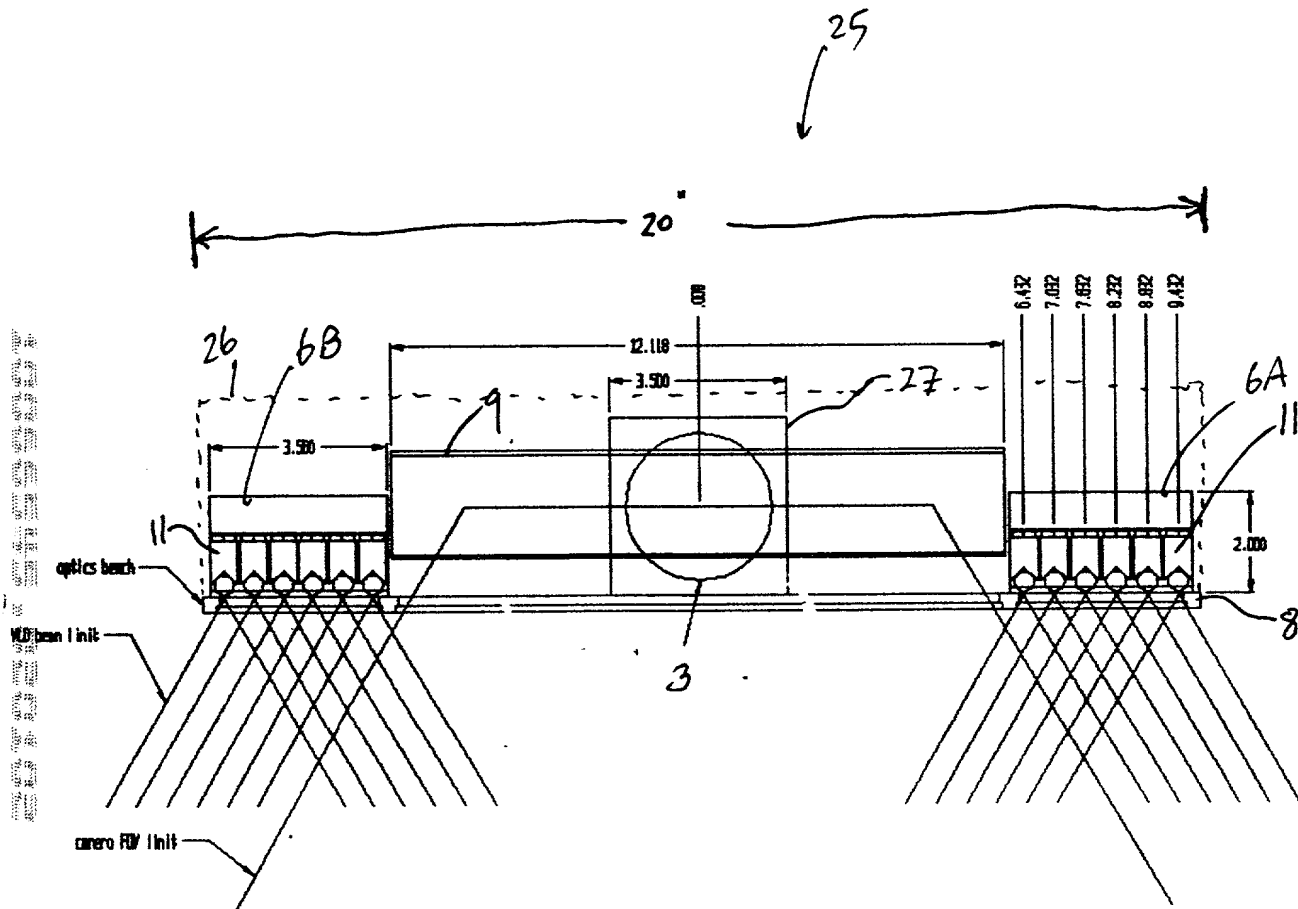


FIG. 1G.3.



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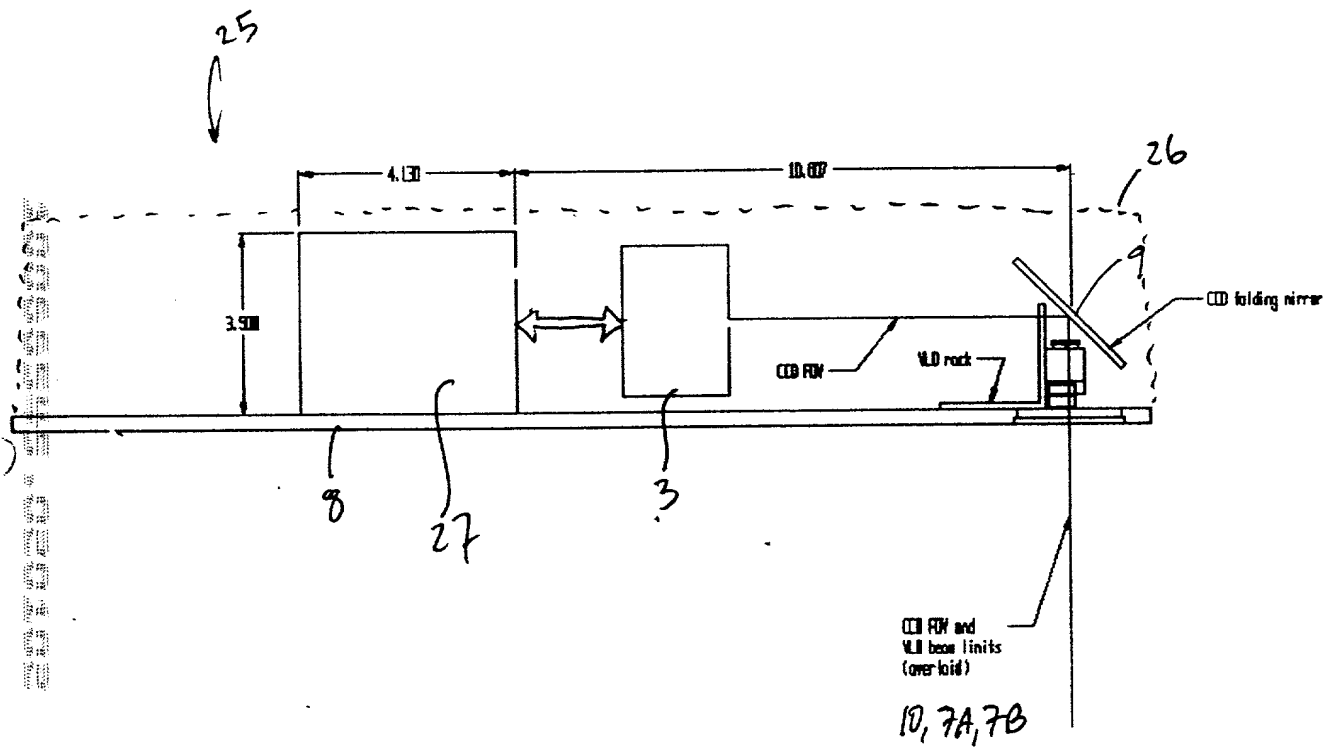
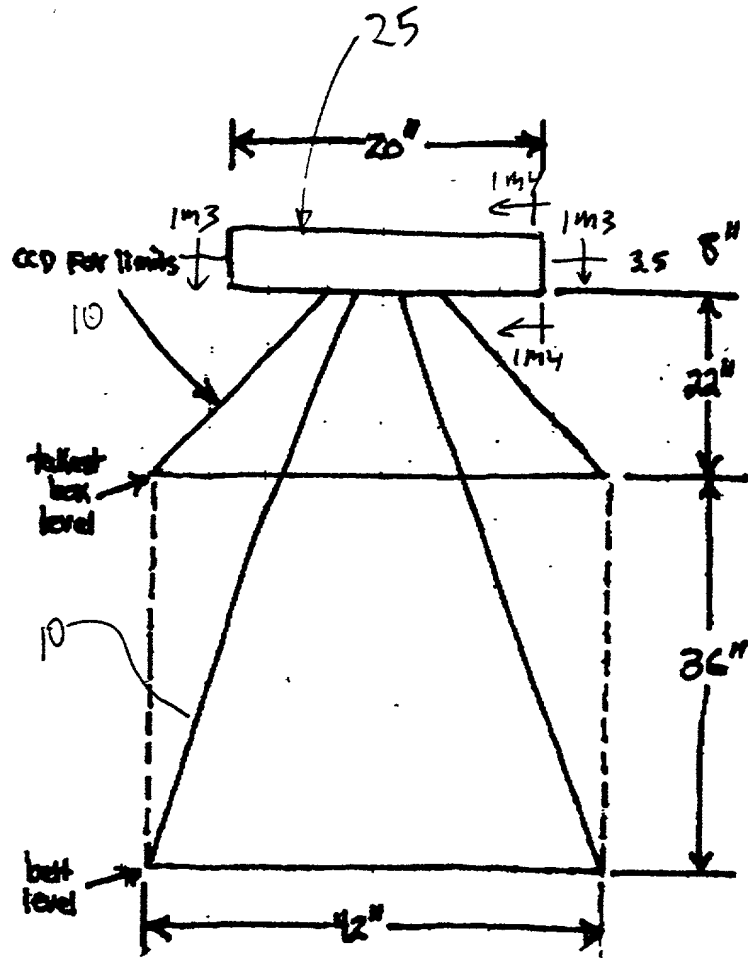


FIG. 1G4

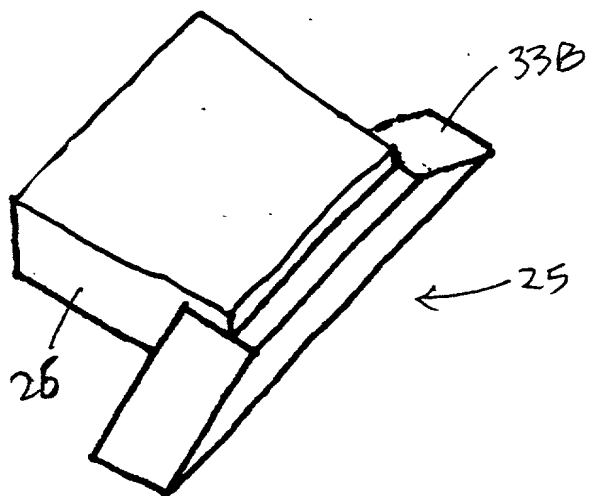
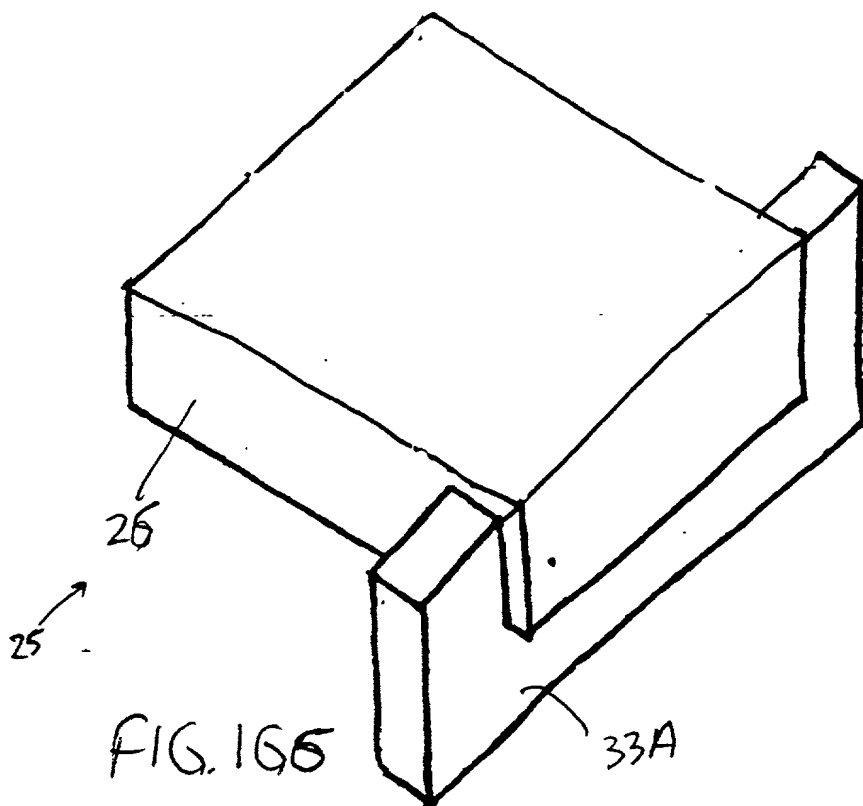
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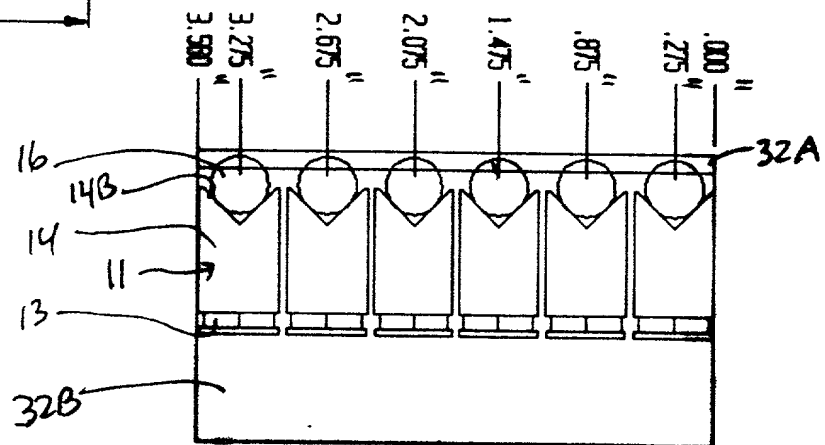
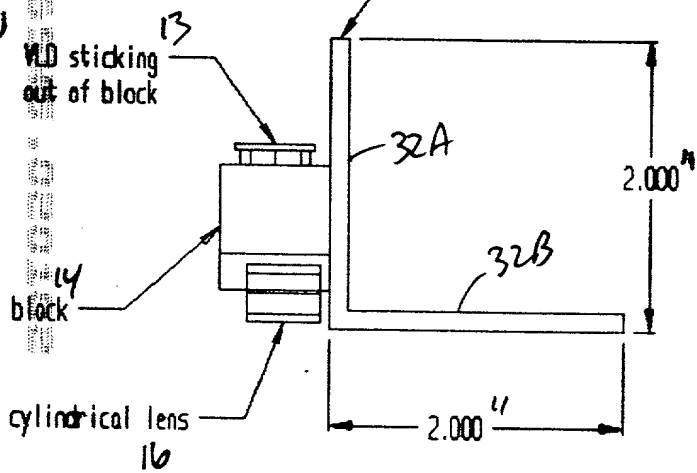
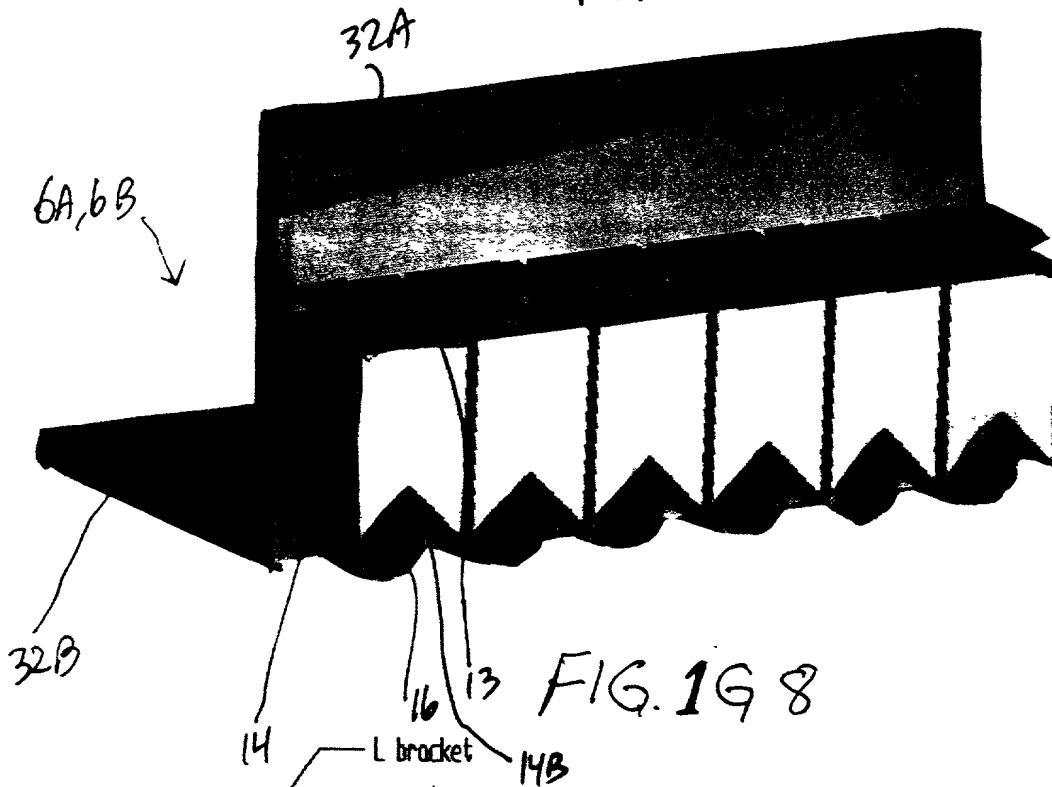
\* Fixed Field of Field

FIG. 195

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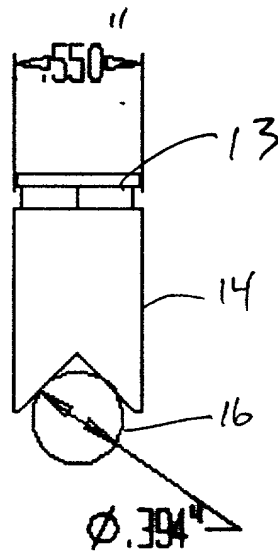
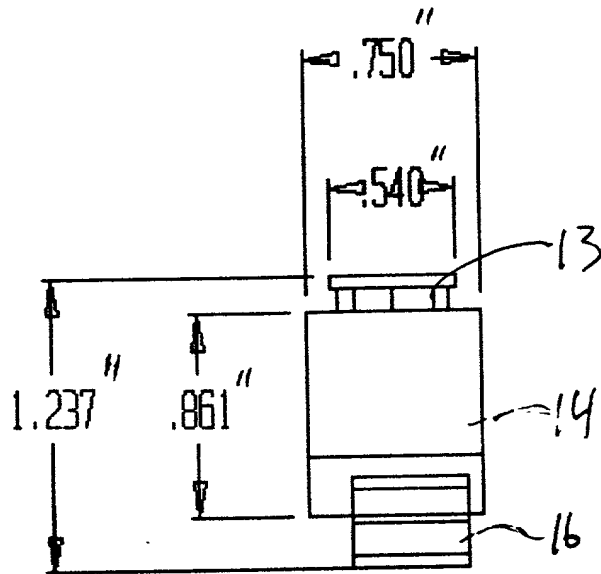


FIG. 1H2

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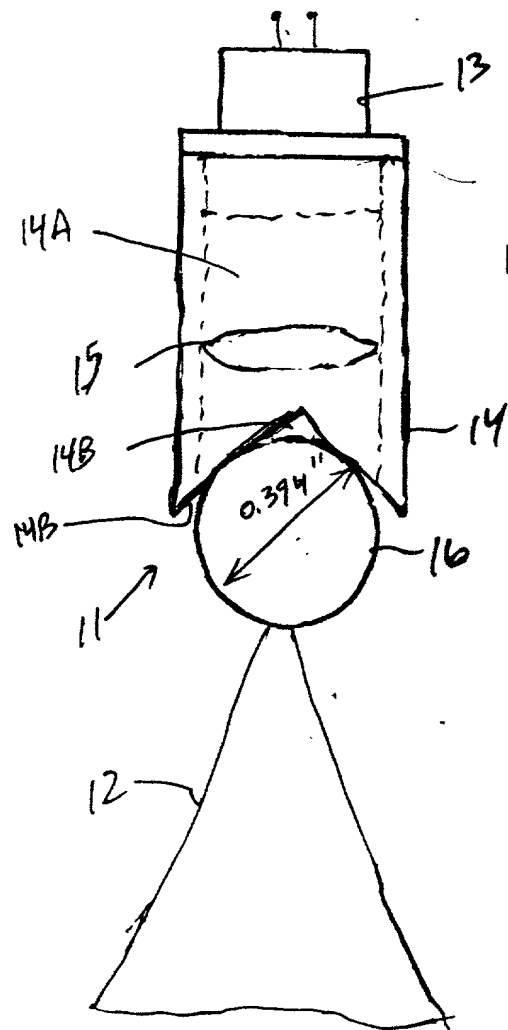


FIG. 1I1

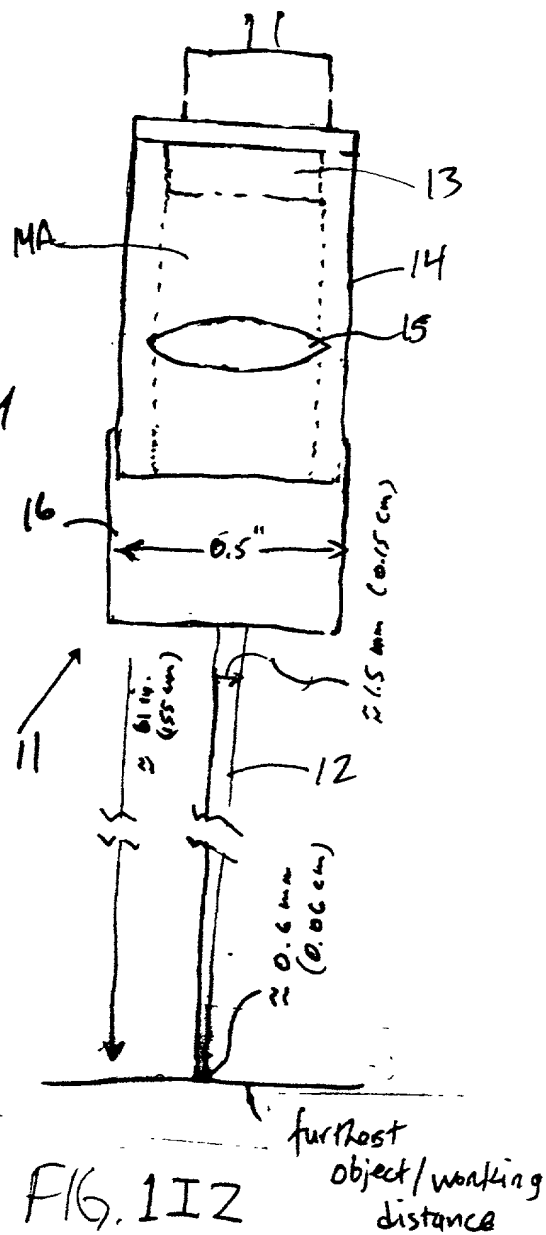


FIG. 1I2

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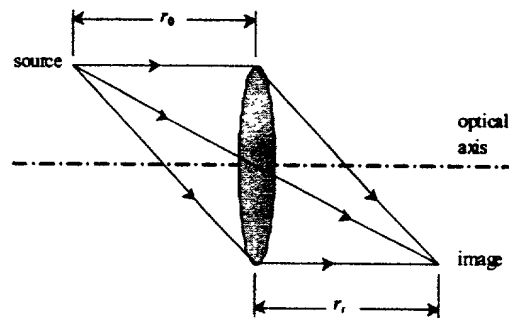


FIG. 1J1

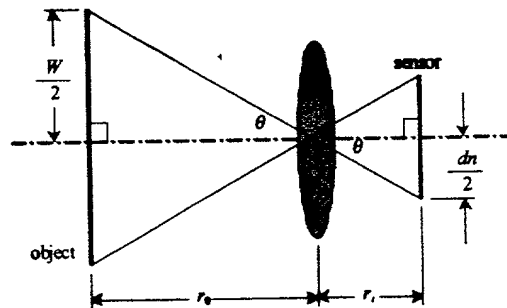


FIG. 1J2



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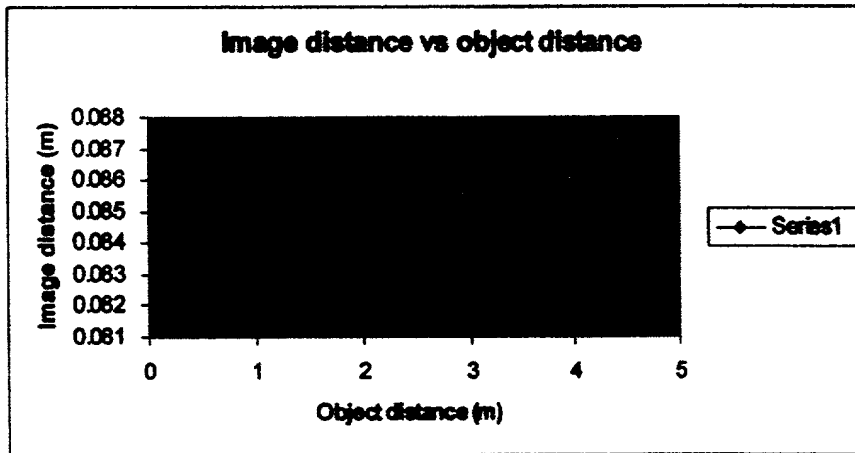


FIG. 1J3

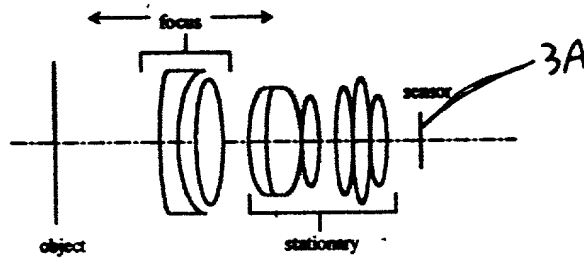


FIG. 1J4

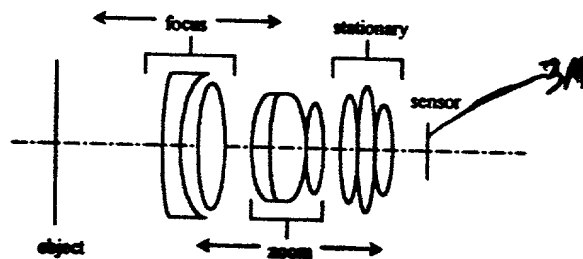
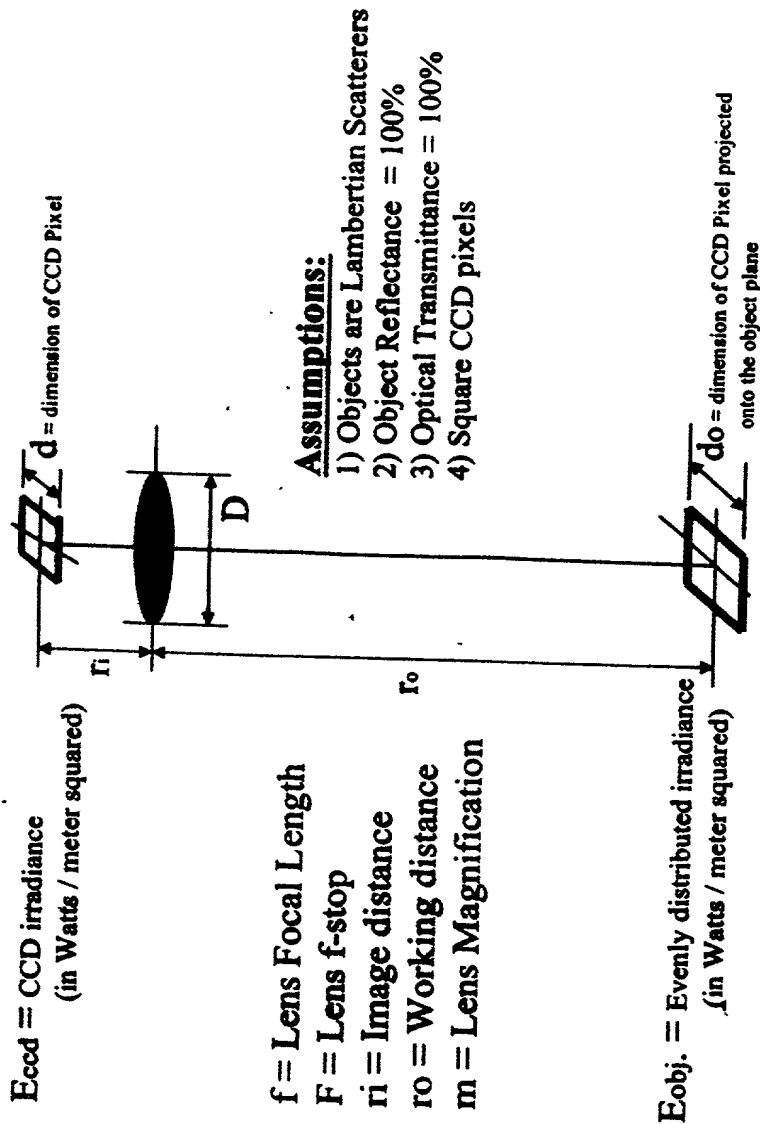


FIG. 1J5

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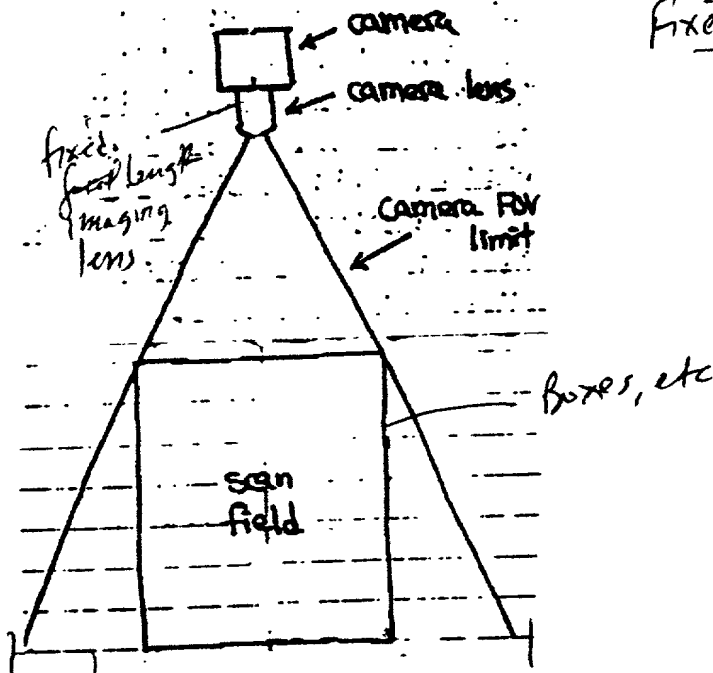


CCD-Based Scanner

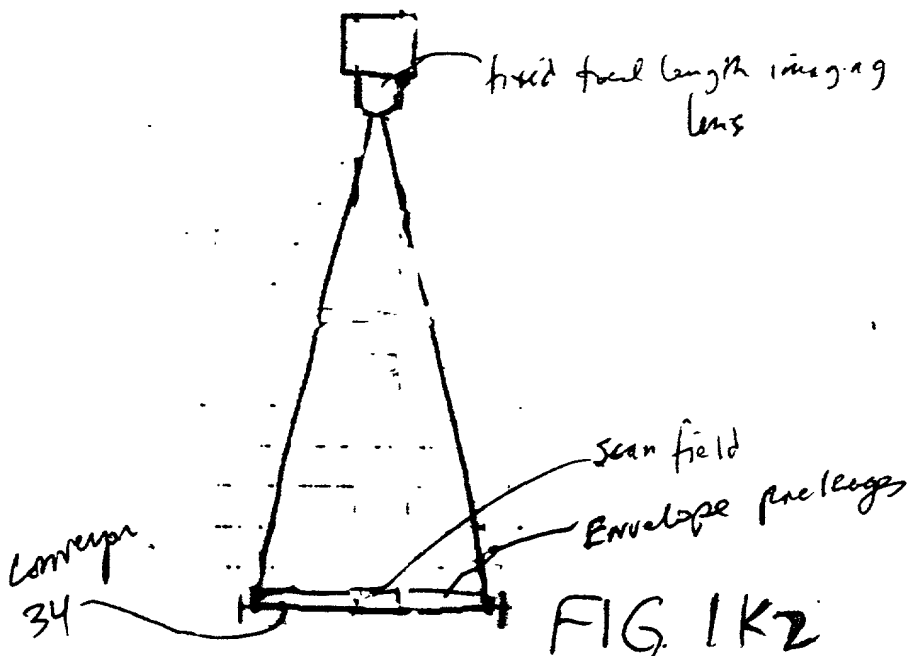
FIG. 1J6

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Fixed focal length lens cases



conveyer 34 FIG 1K1



conveyer 34 FIG 1K2

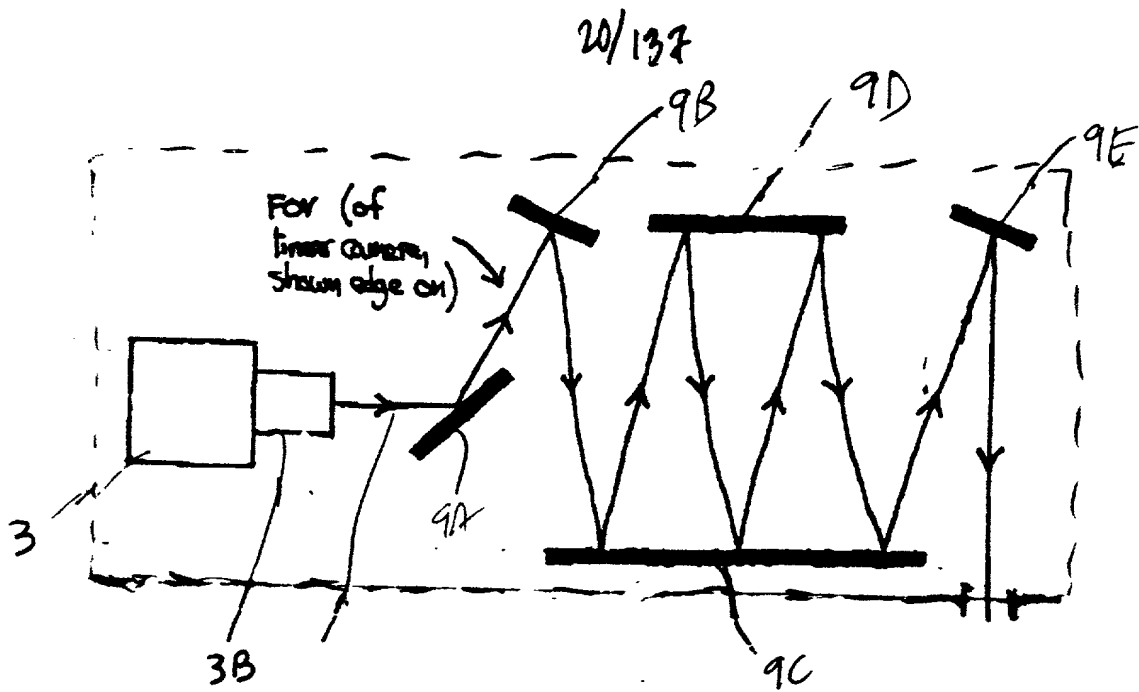


FIG. 1L1

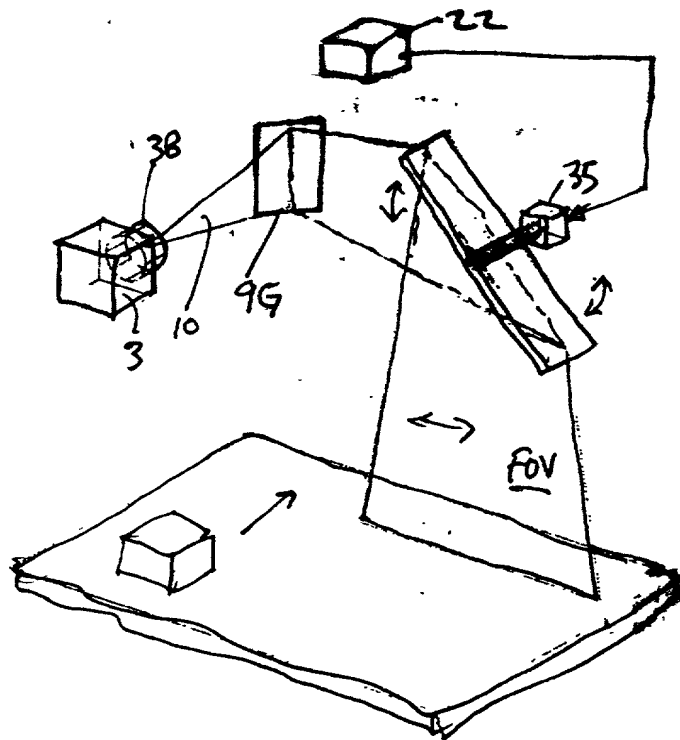


FIG 1L2

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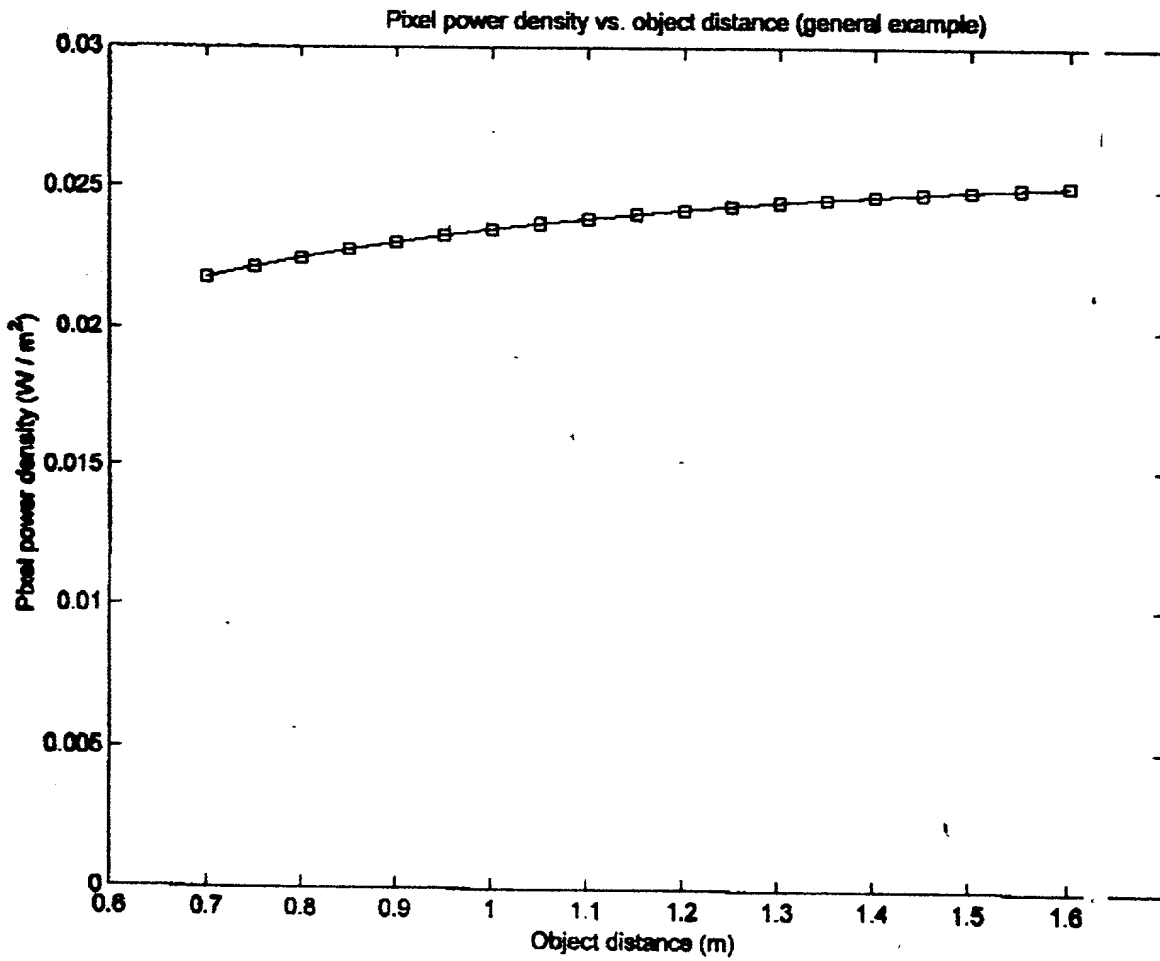


FIG. 1M1

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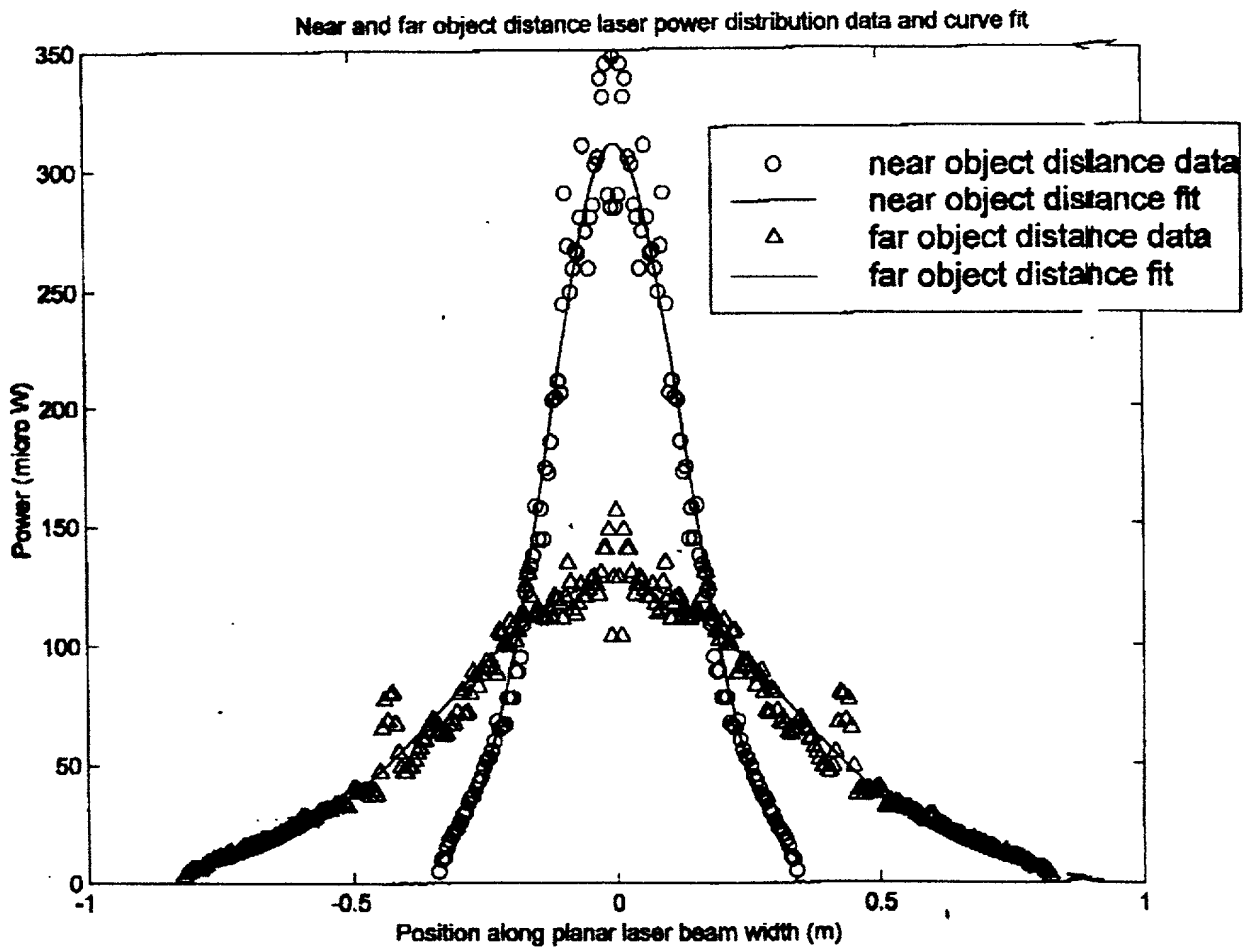


FIG. 1M2

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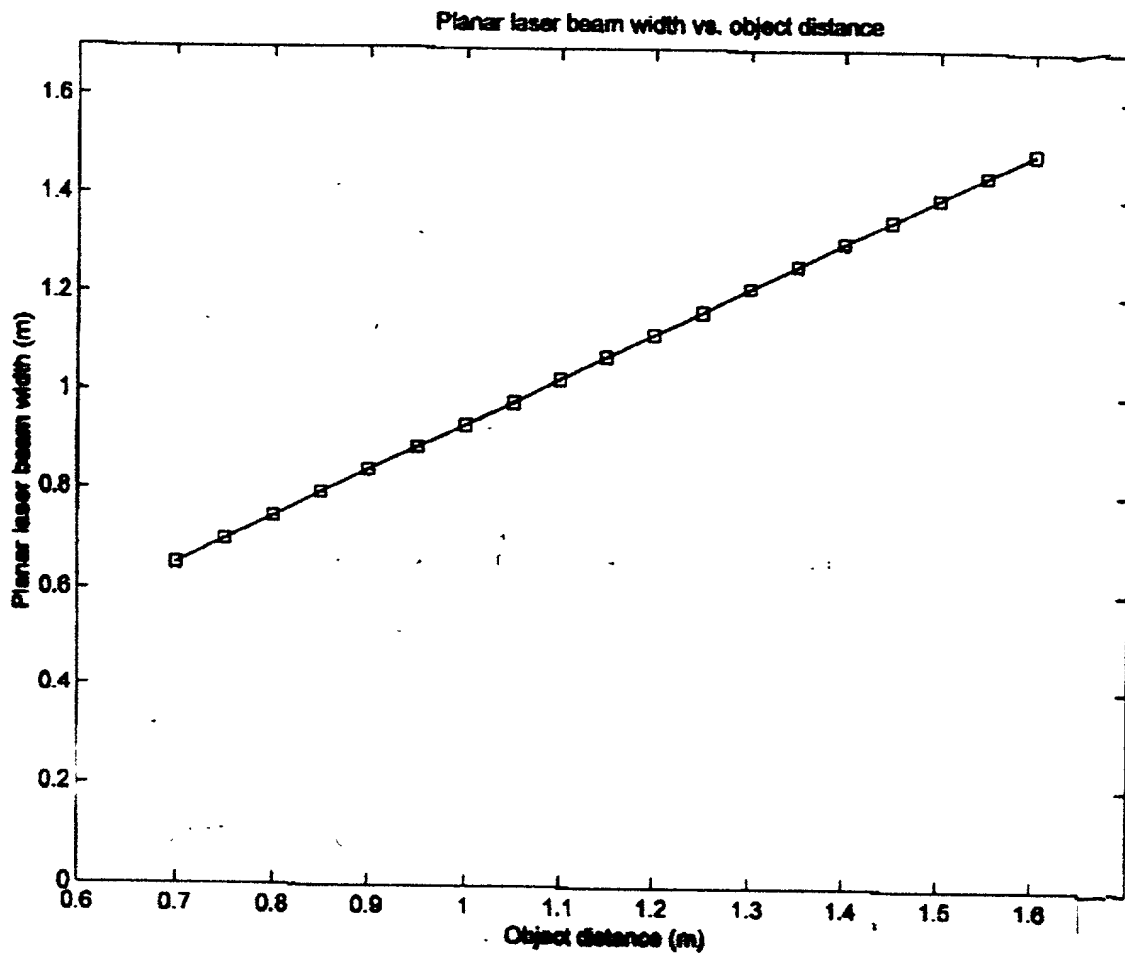
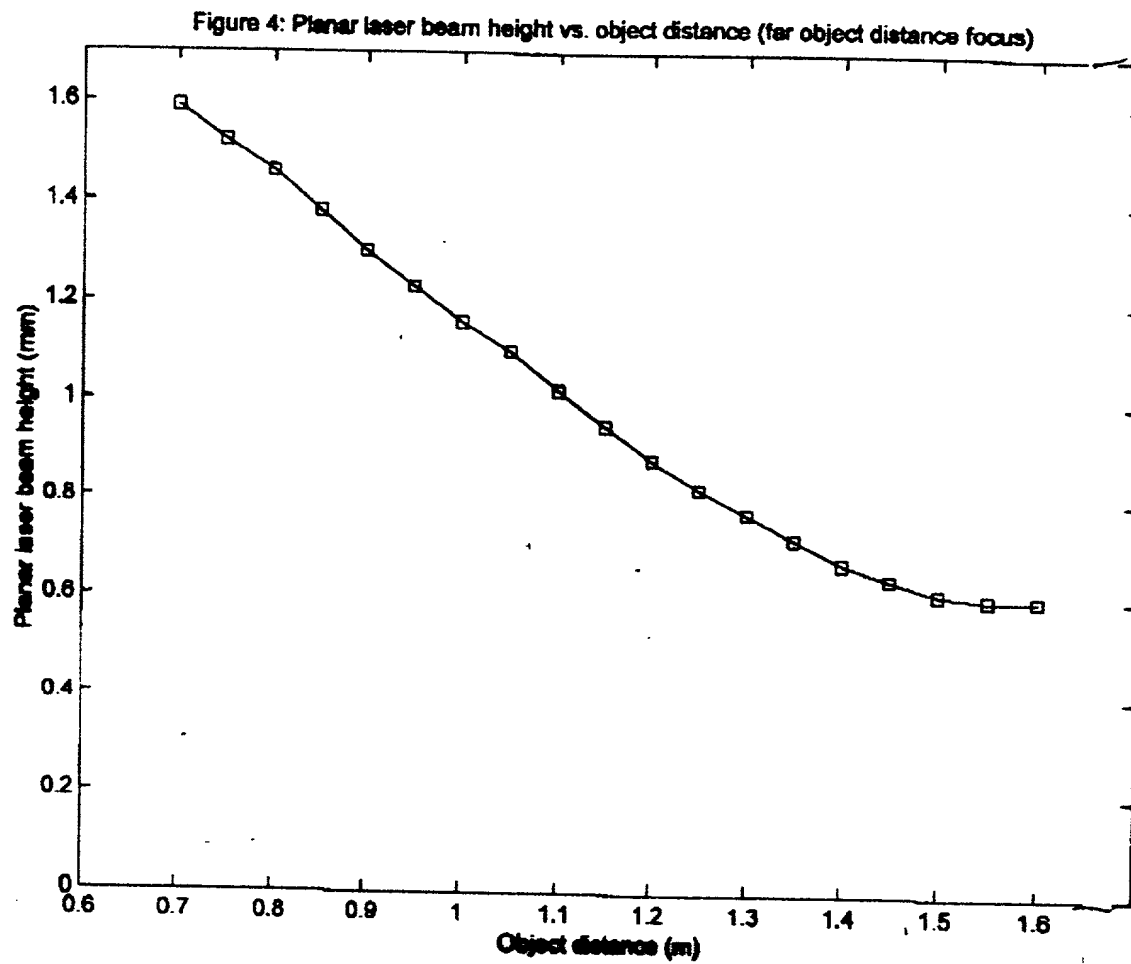


FIG. 1M3

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FIG/M4



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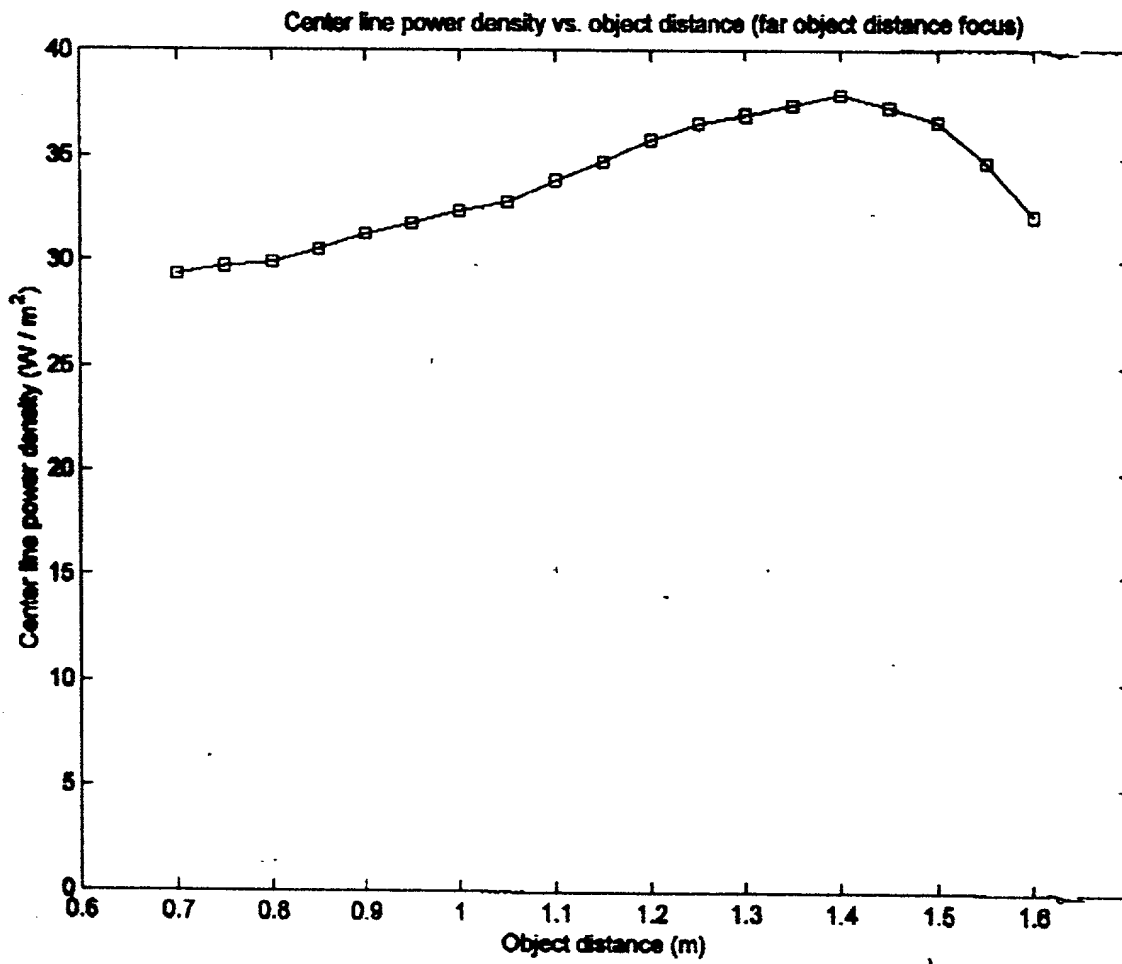


FIG. 1N

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Figure 6: Pixel power densities vs. object distance

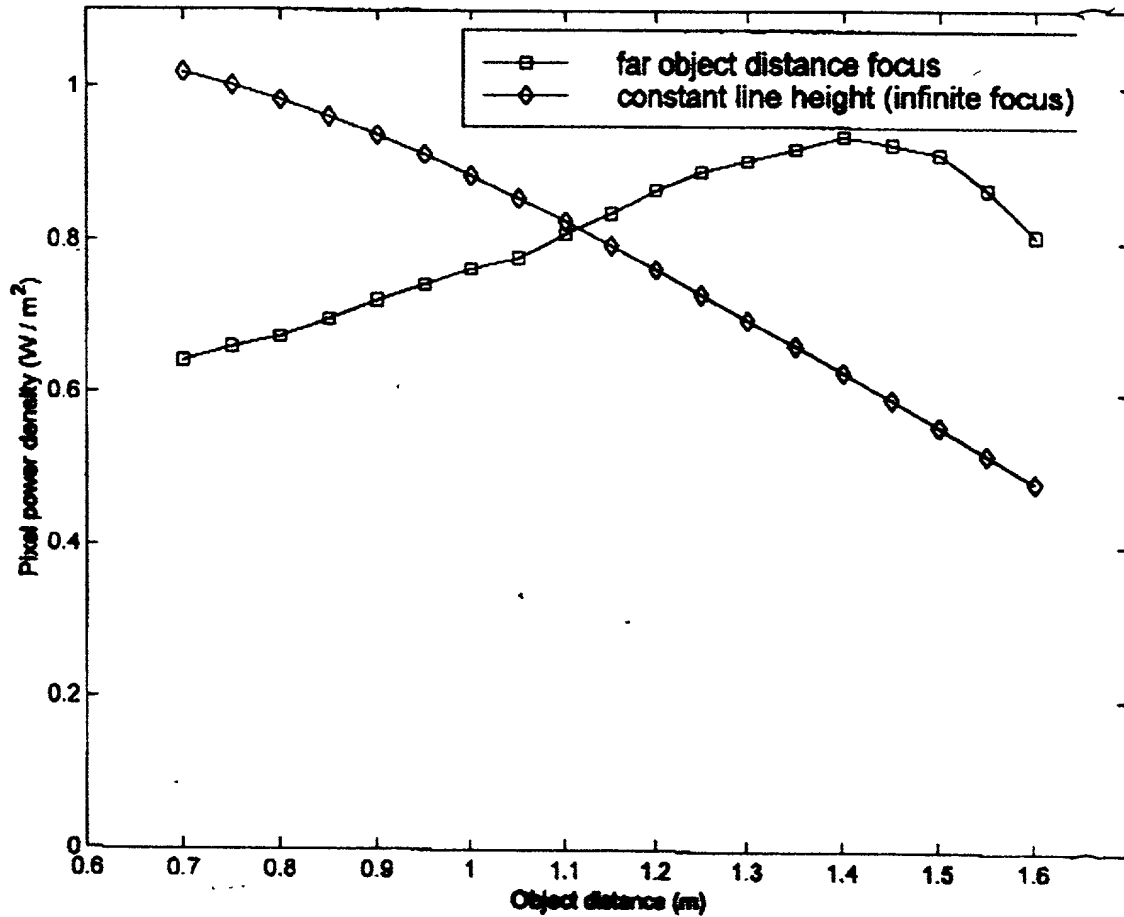
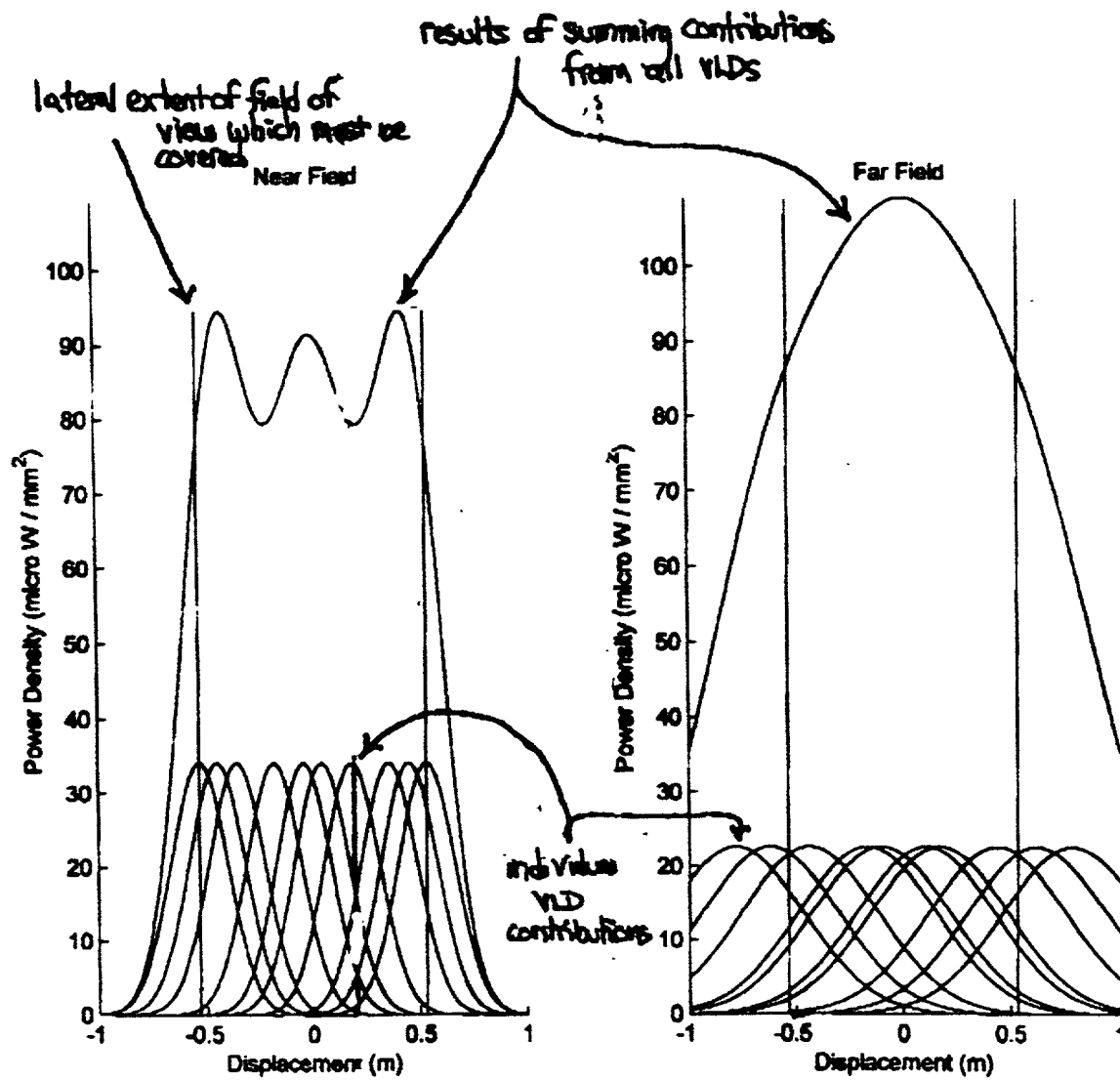


FIG. 10

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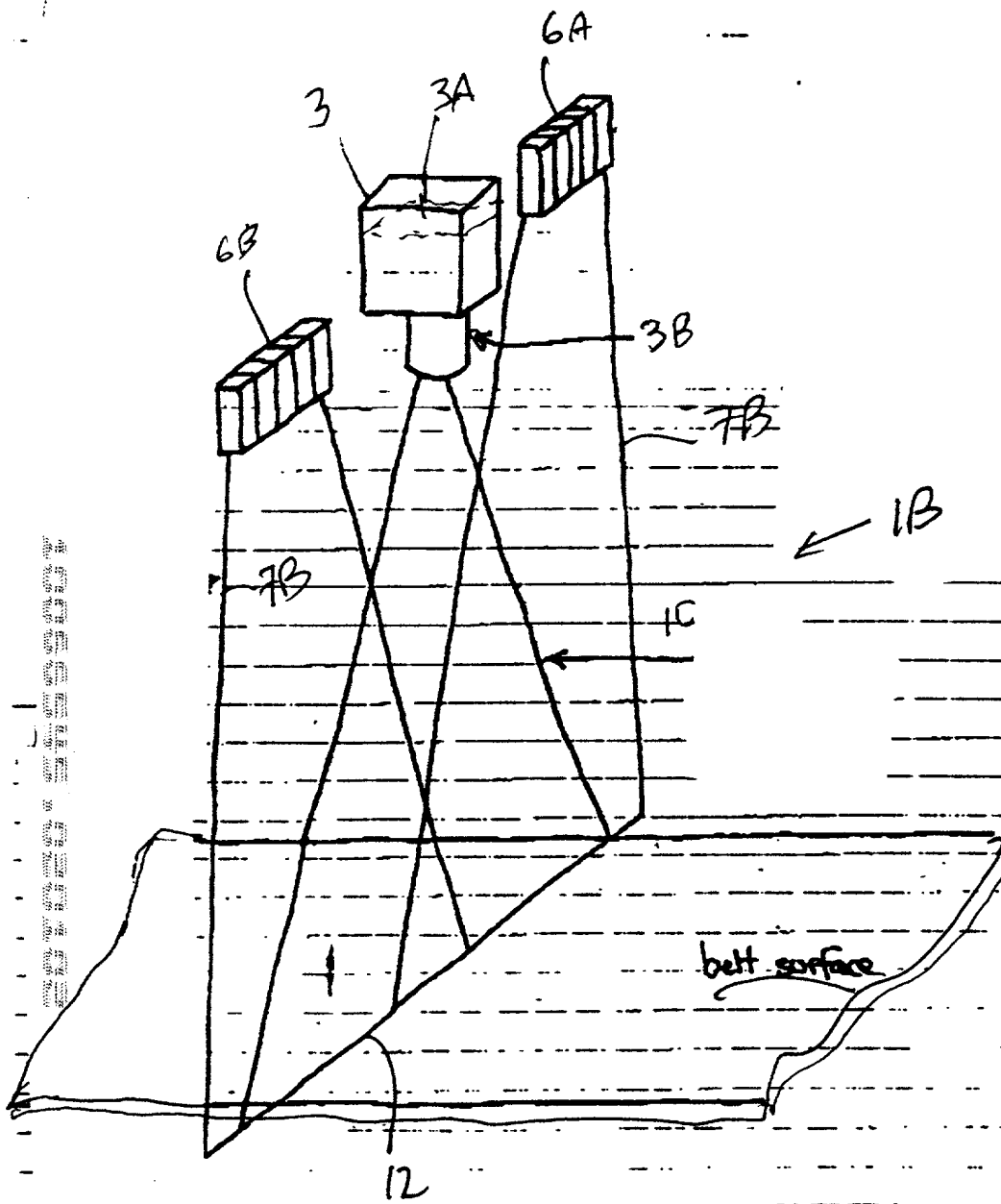
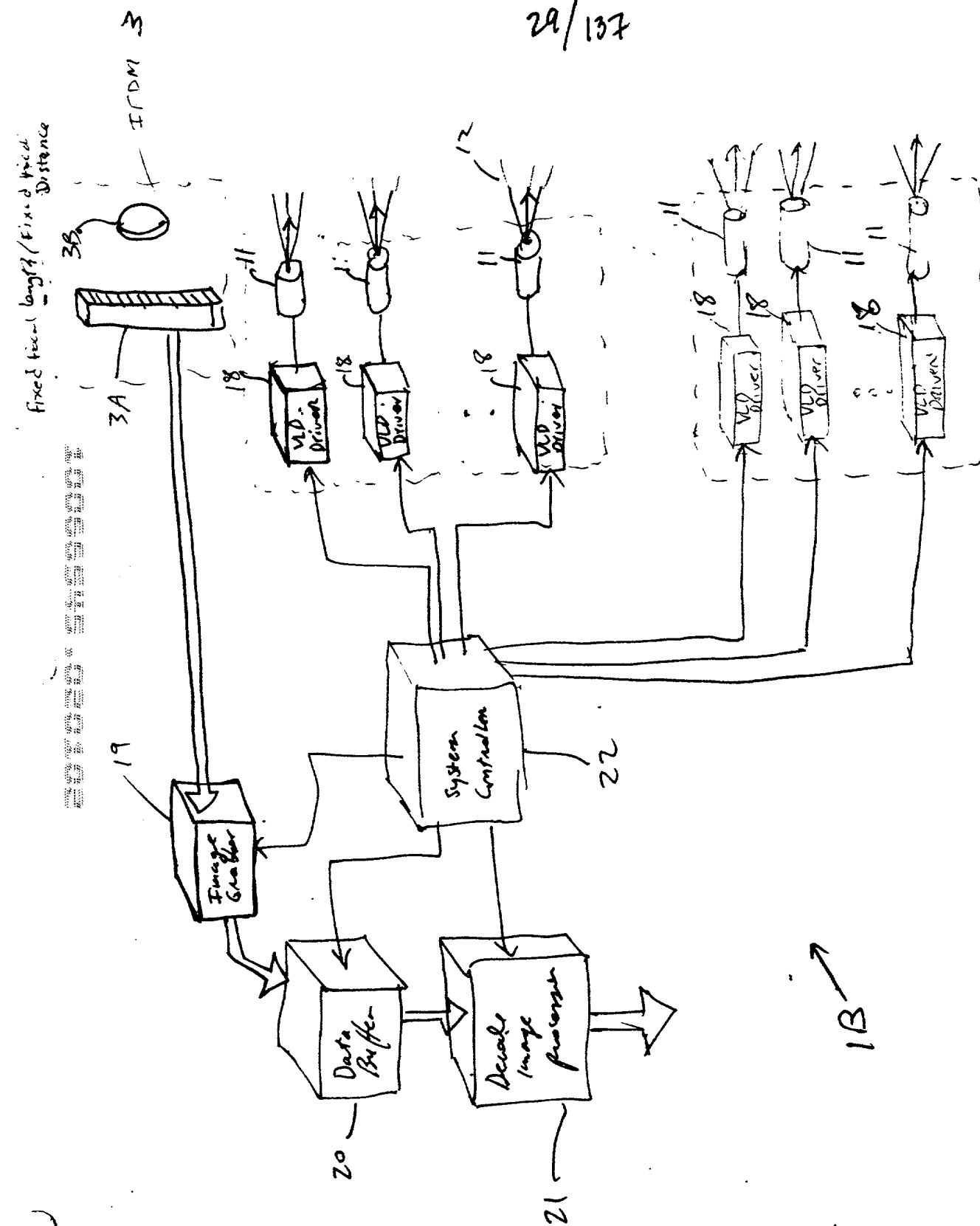
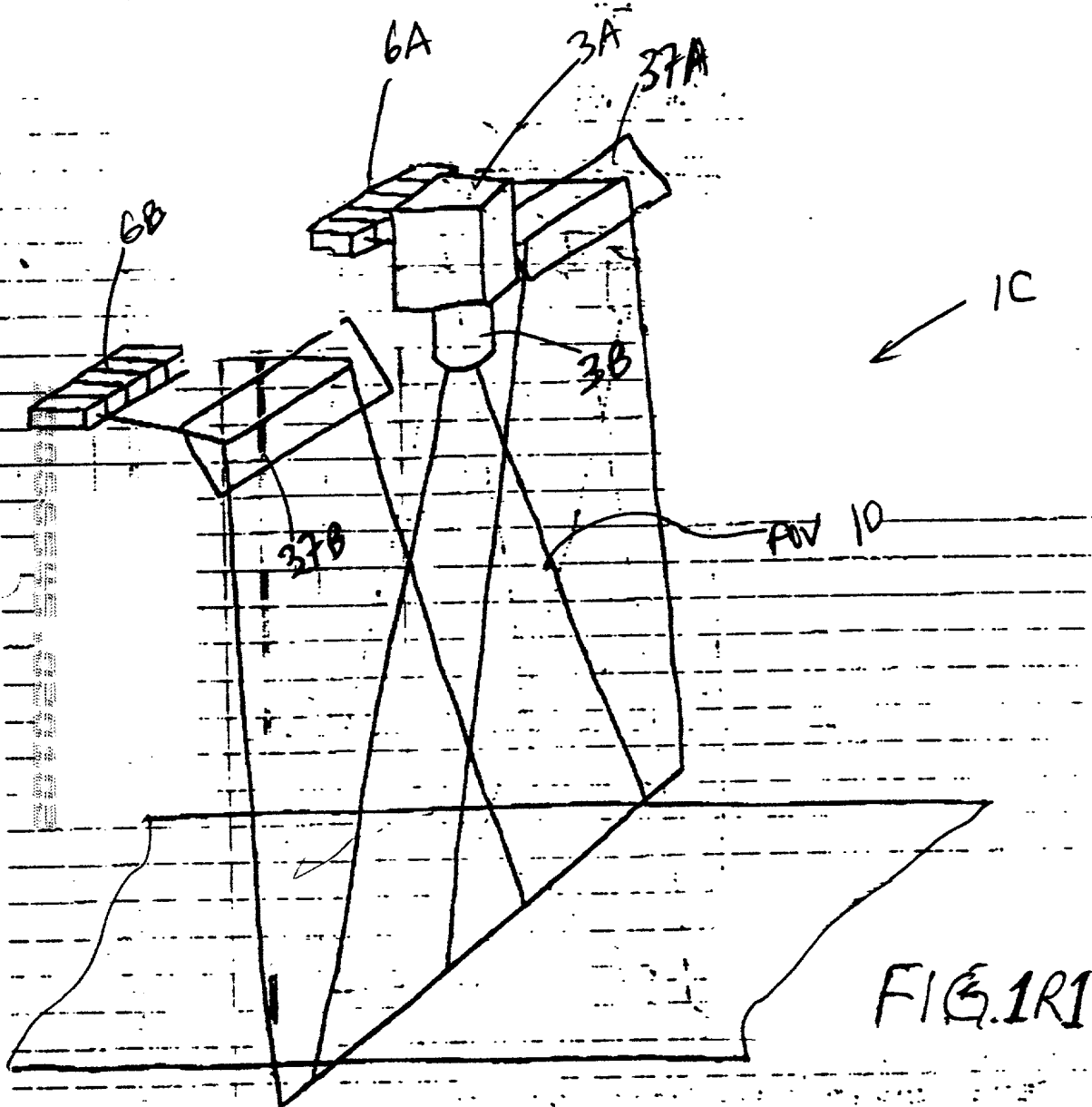


FIG. 1Q1

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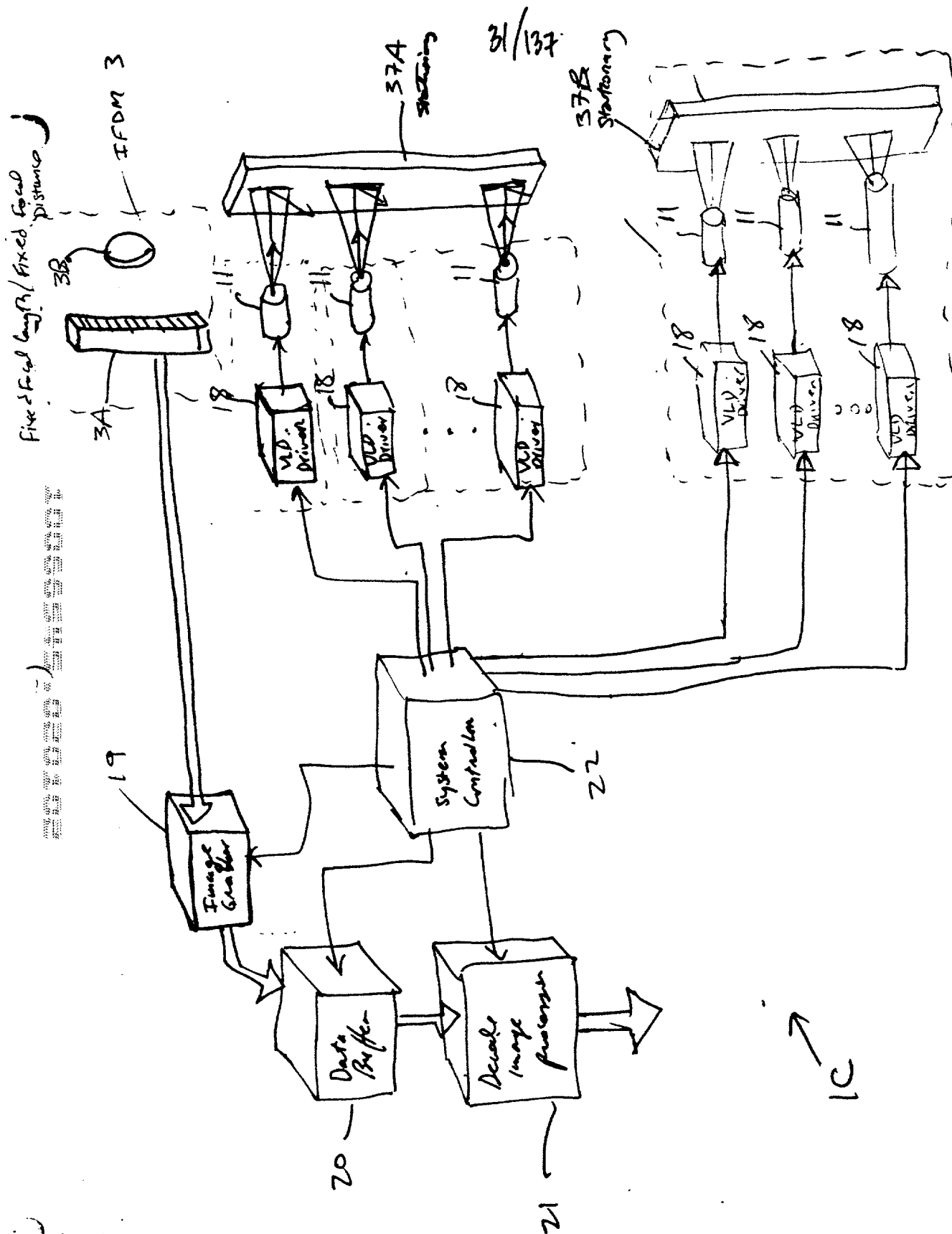


FIG. 1R2

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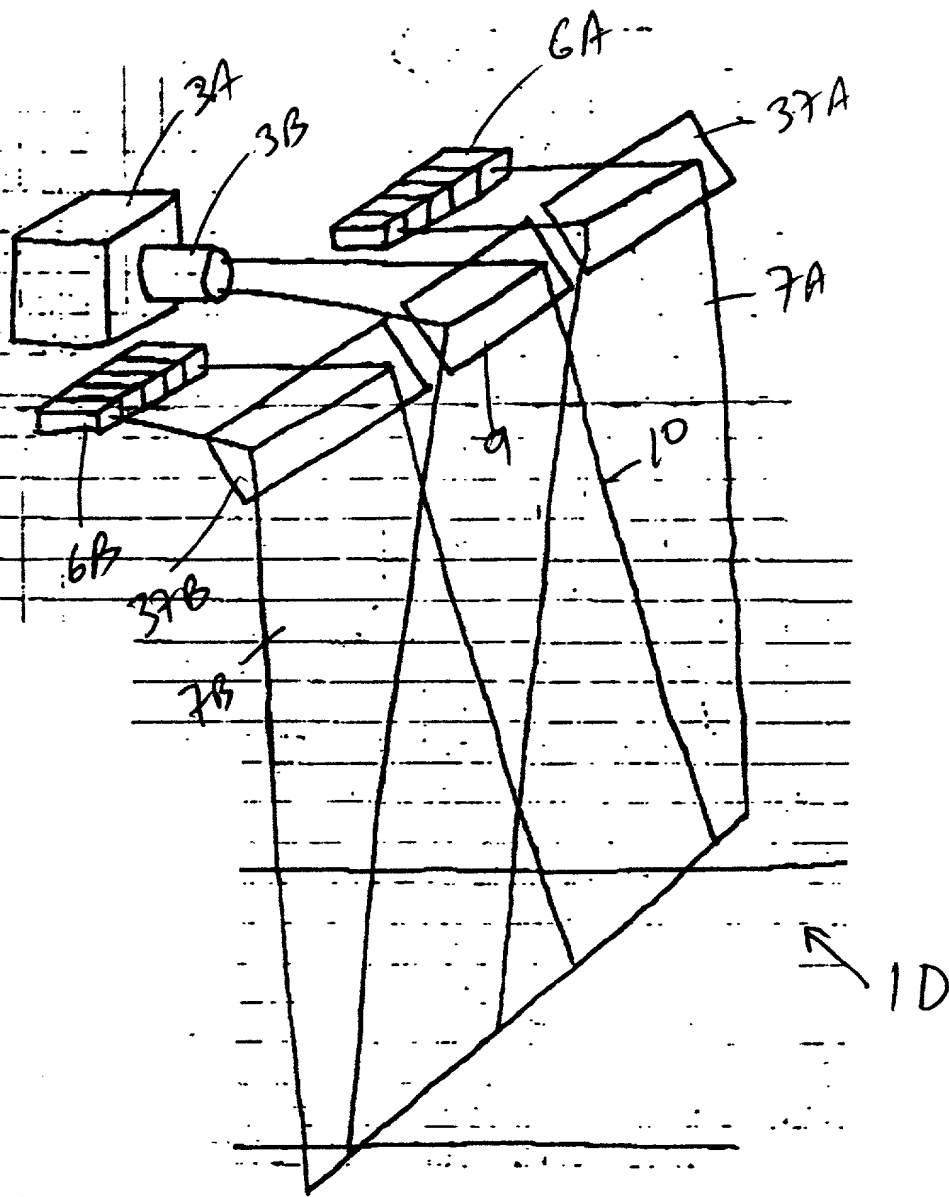
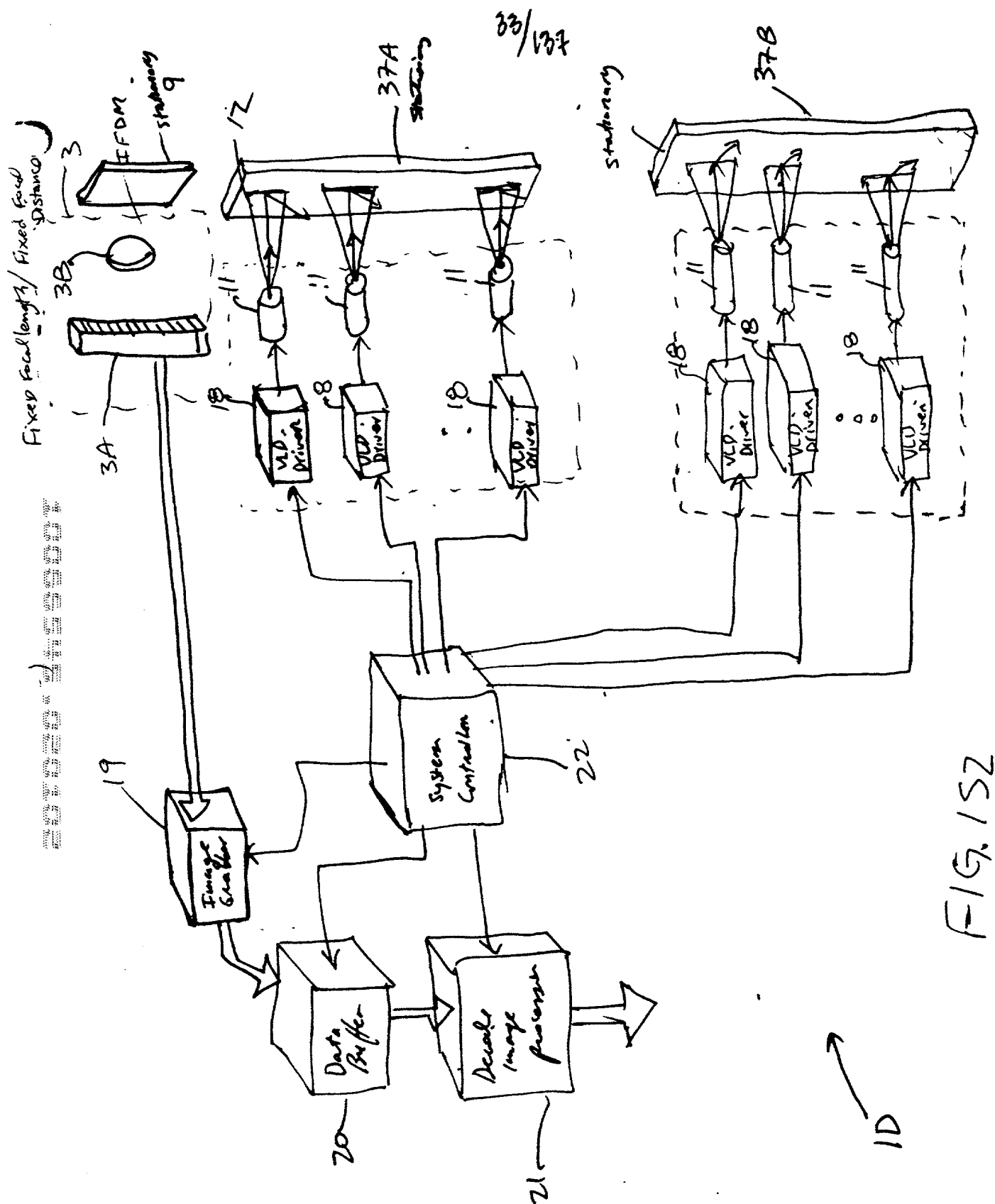


FIG. 1S1





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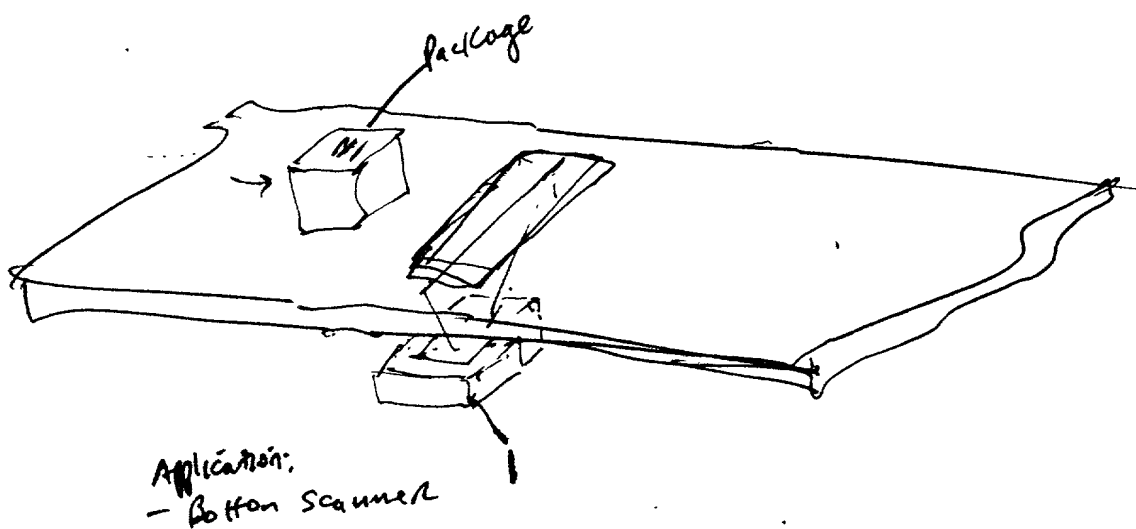


FIG 1T

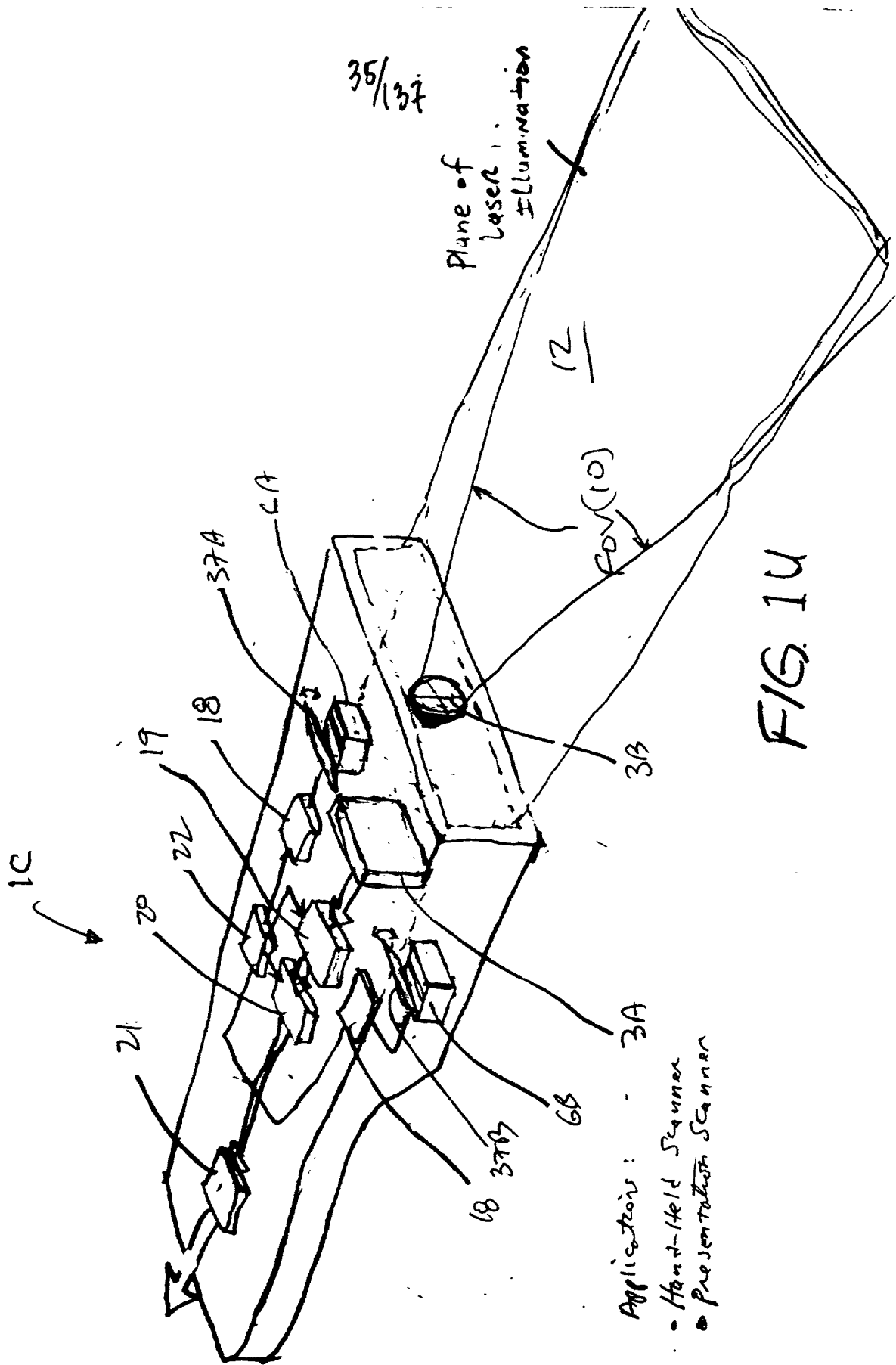


FIG. 1U

Applications:

- Hand-Held Scanner
- Presentation Scanner

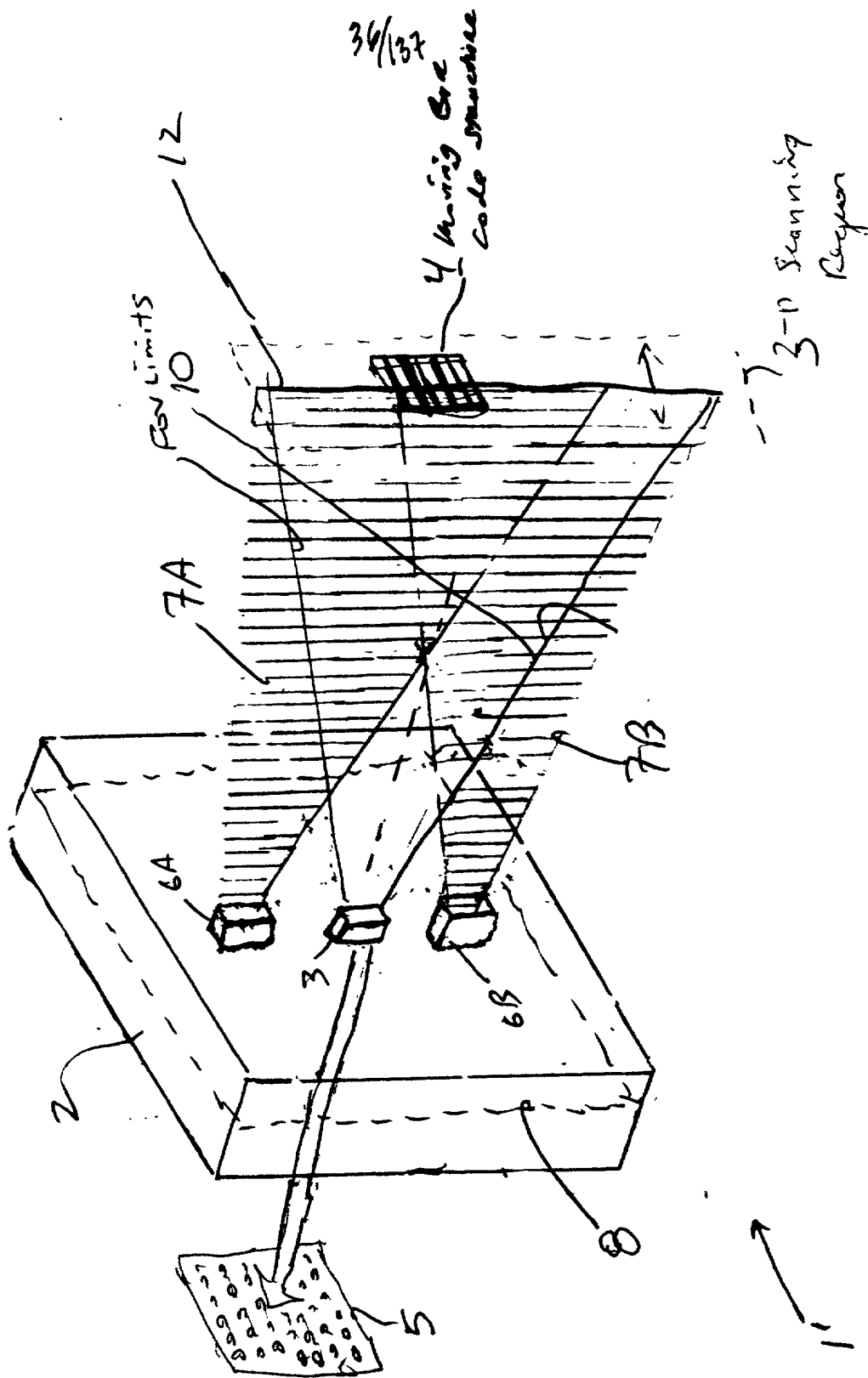


FIG. IVI

[illegible]

2-D  
region  
of  
space

Fixed focal length / fixed focal distance

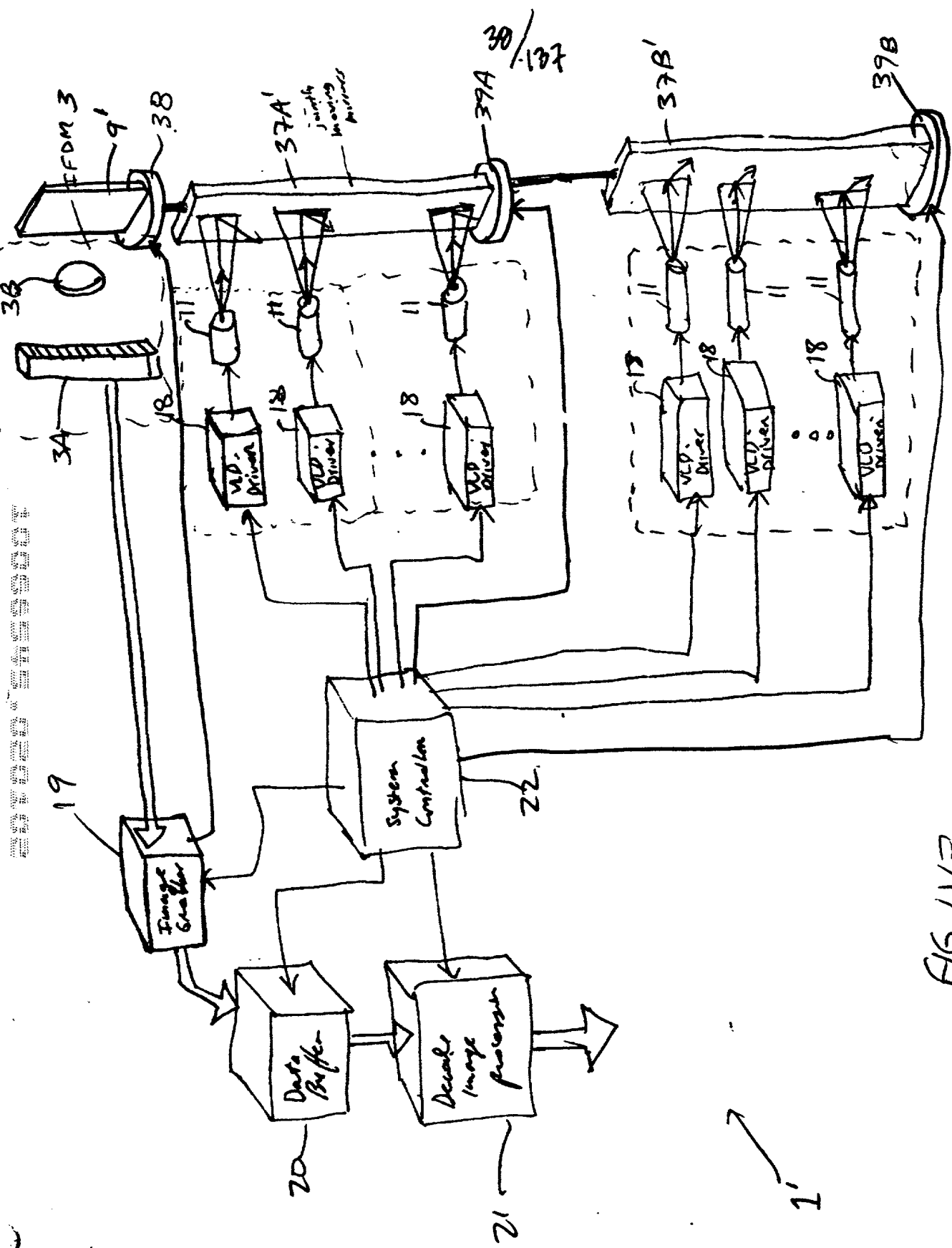


FIG. 1V3

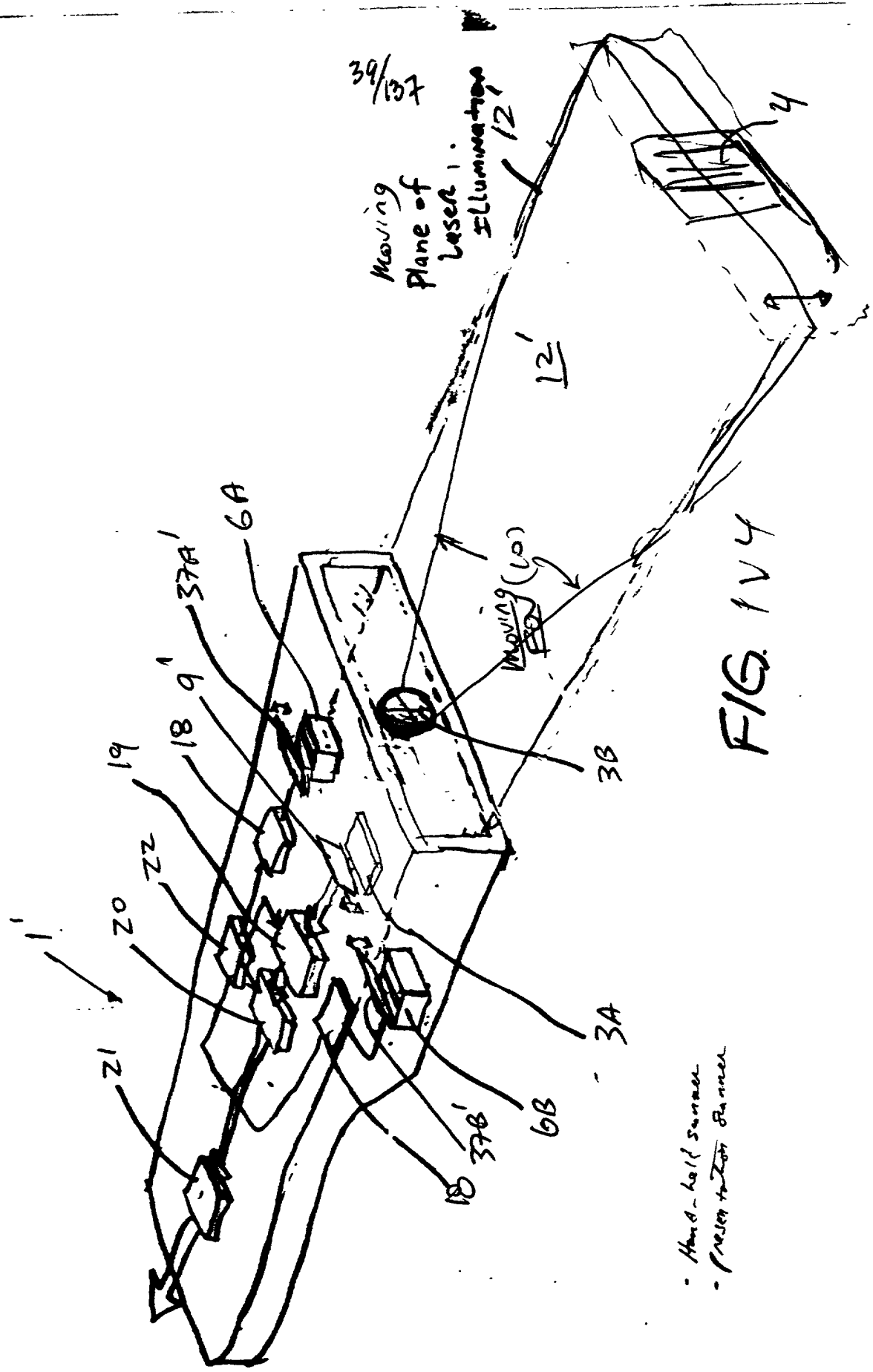
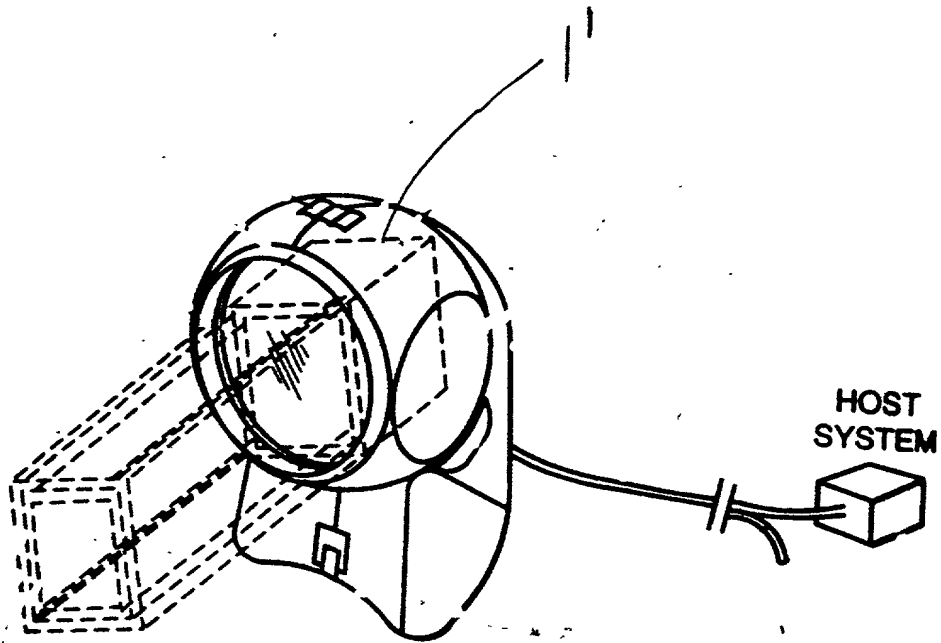


FIG. 1V4

- Hand-held sensor
- Projector to Laser Banner

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(Presentation type scanner)

FIG. 1V5



2025-04-03 09:03:03

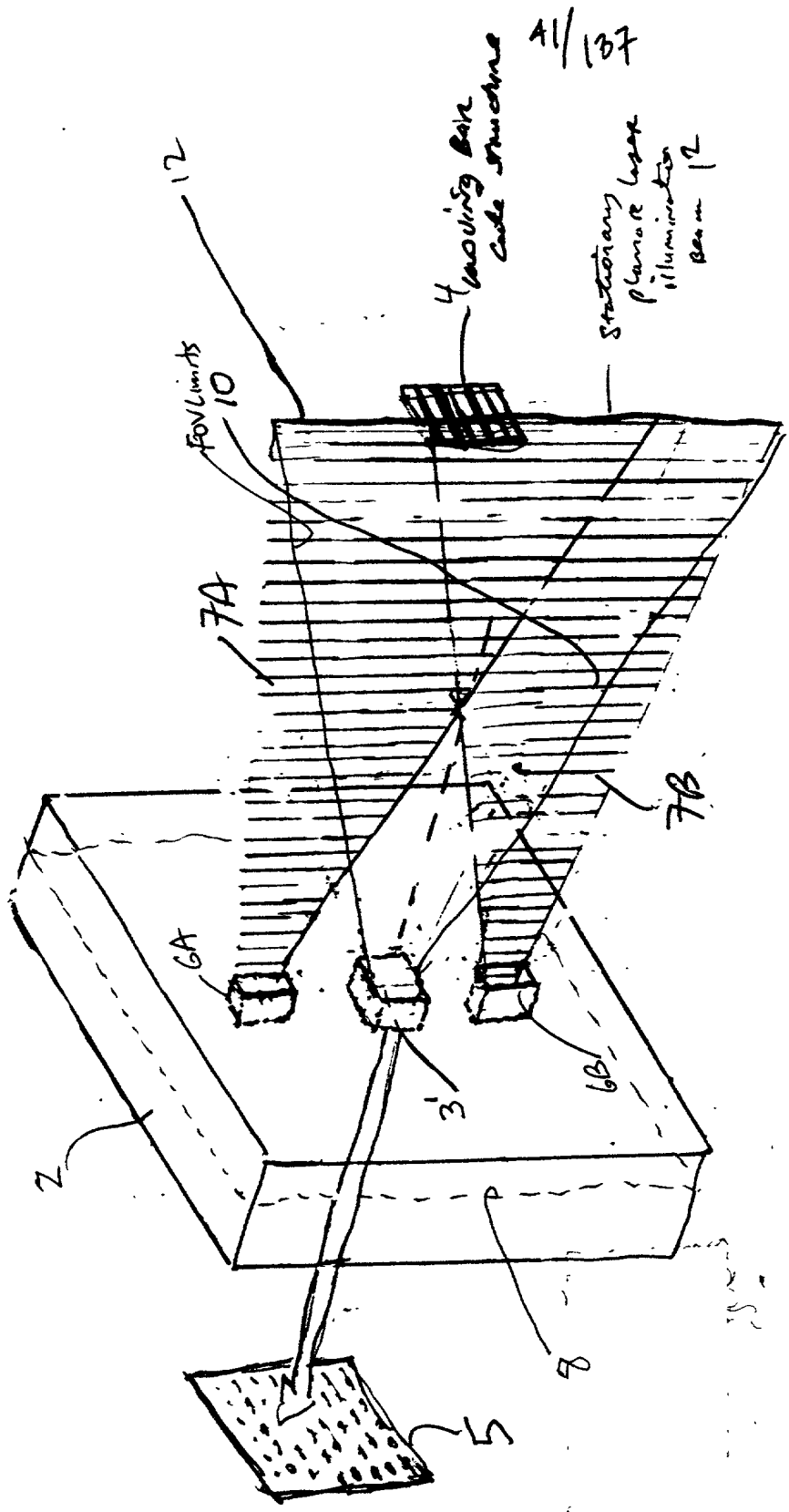


FIG. 2A

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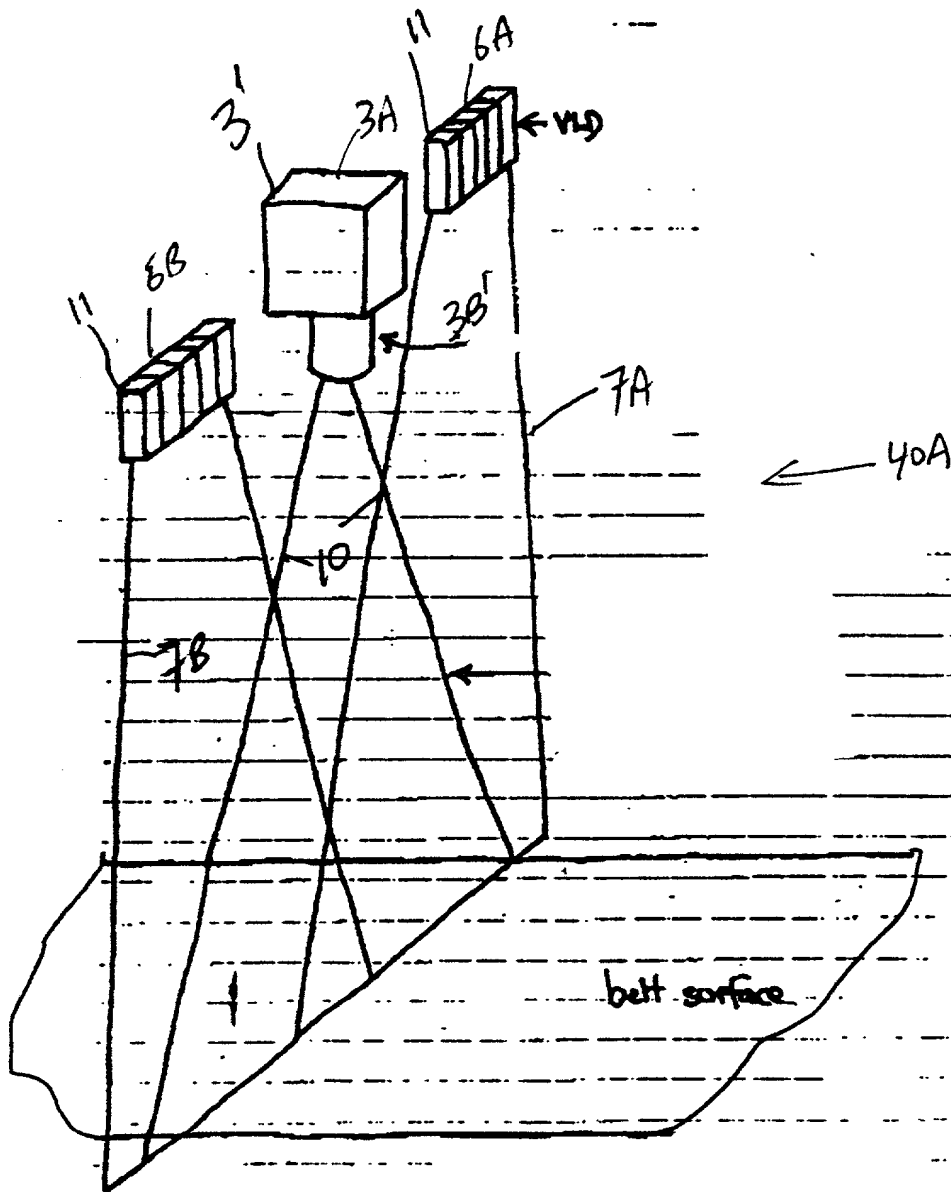


FIG. 2 B1

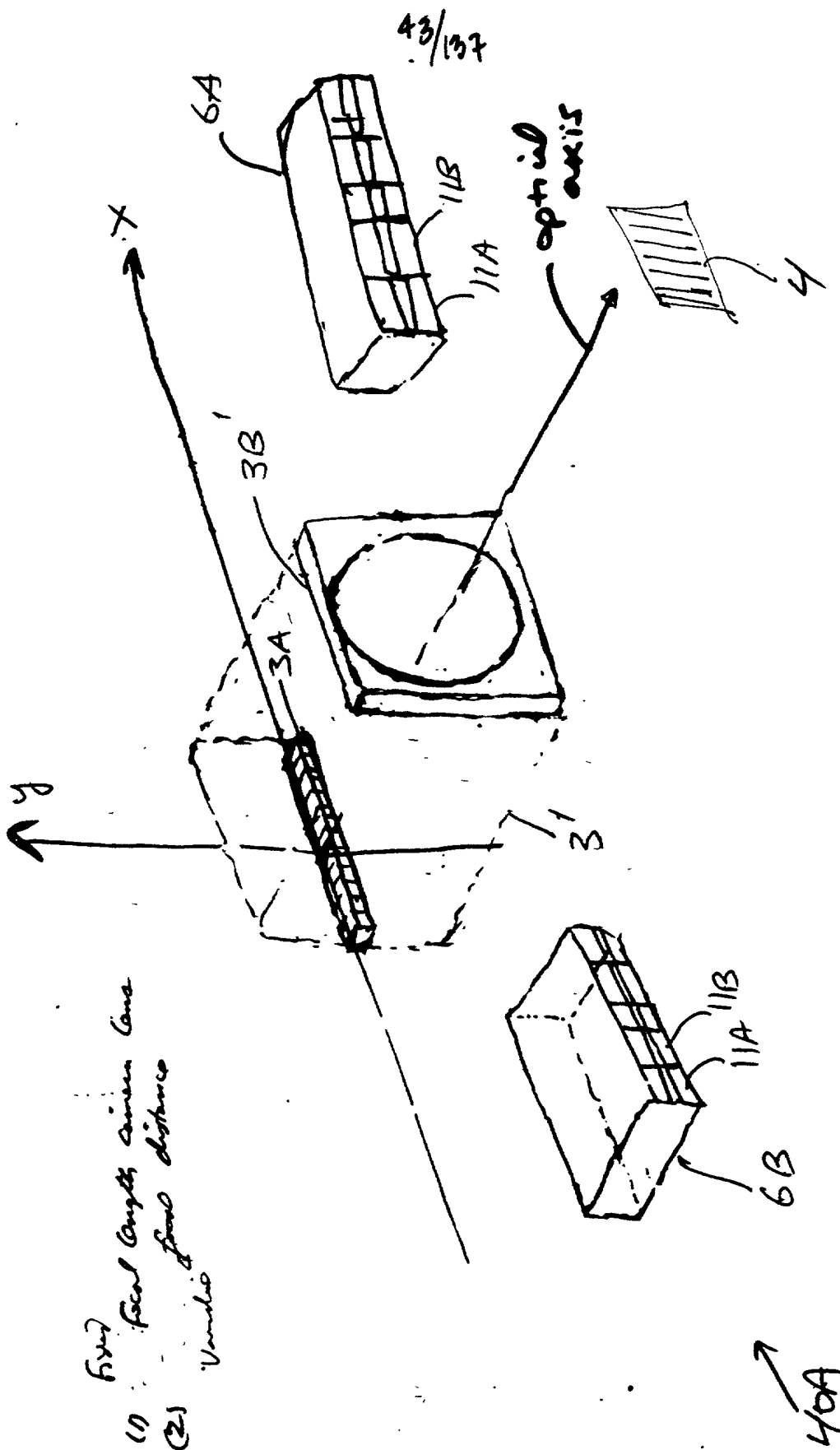


FIG. 2B2

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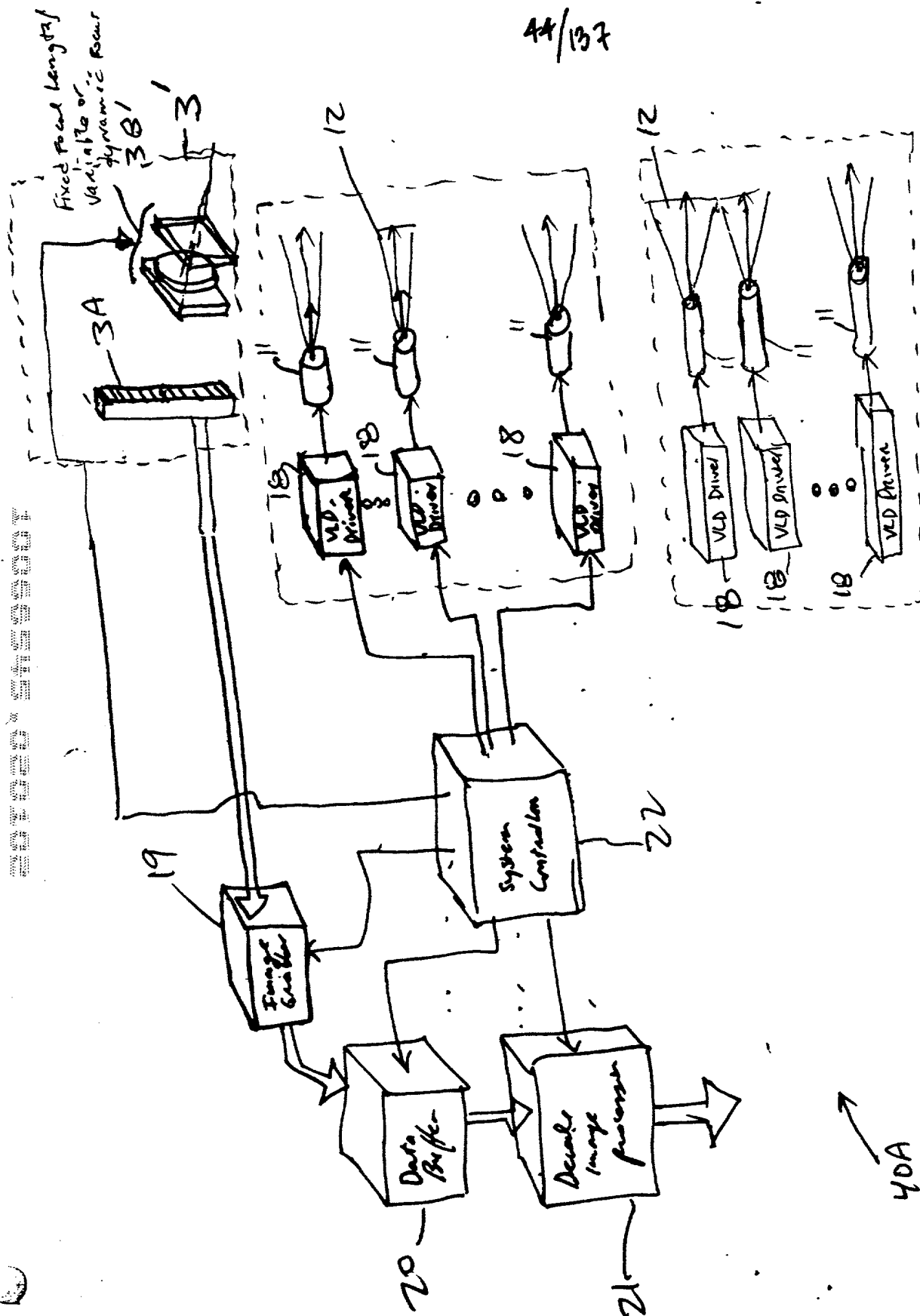


FIG. 2C1

2023-04-20

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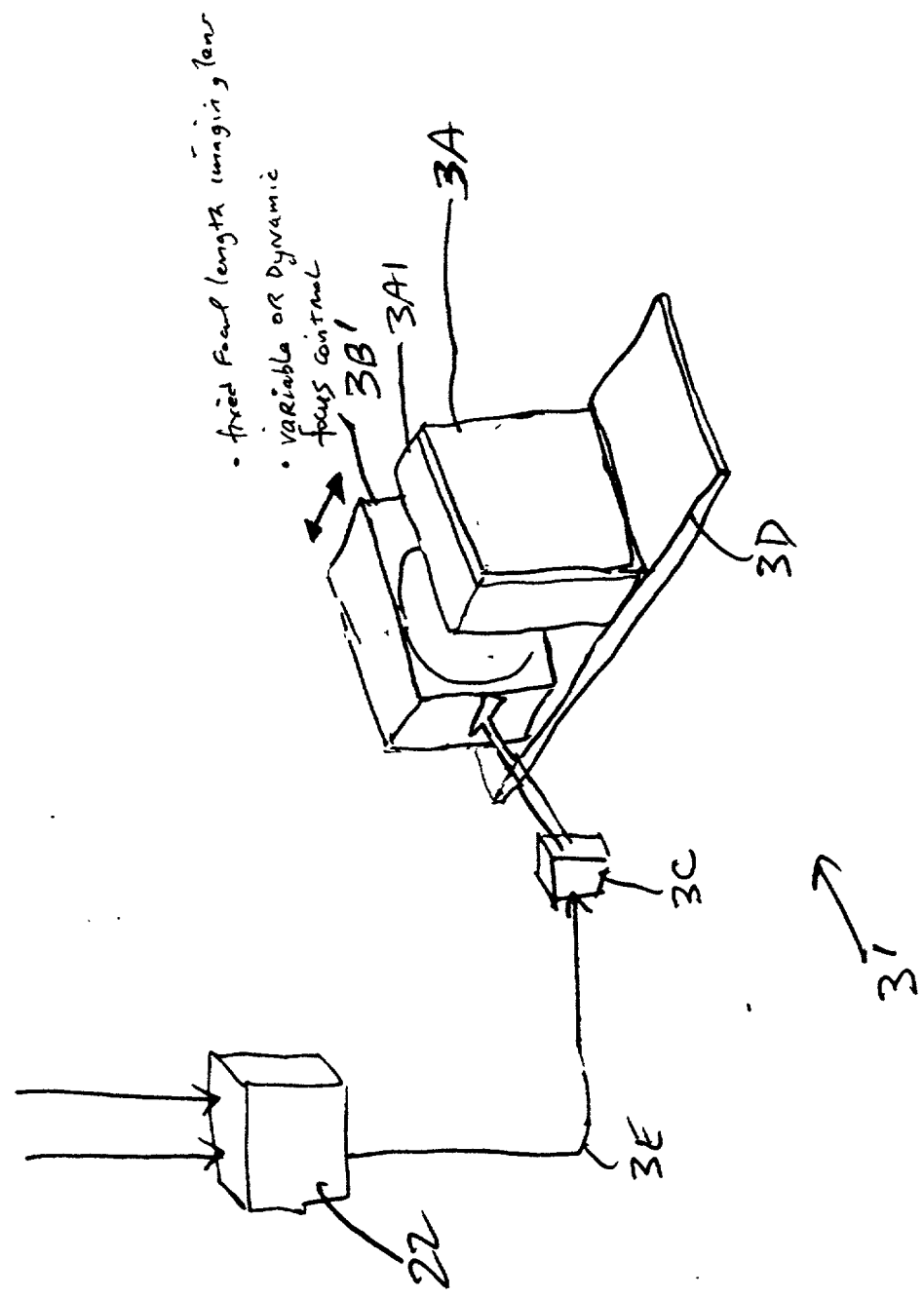


FIG. 2C2

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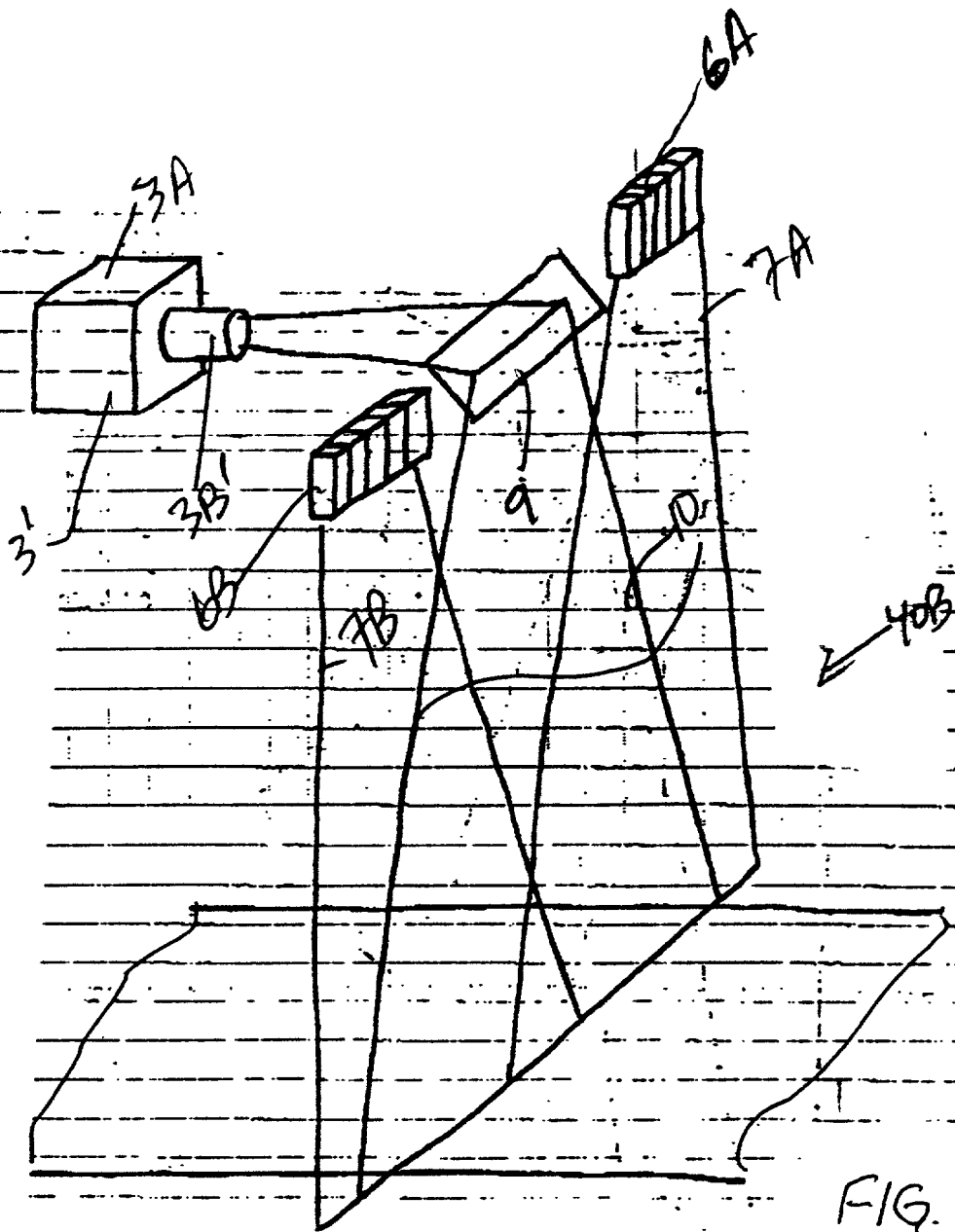


FIG. 2D1

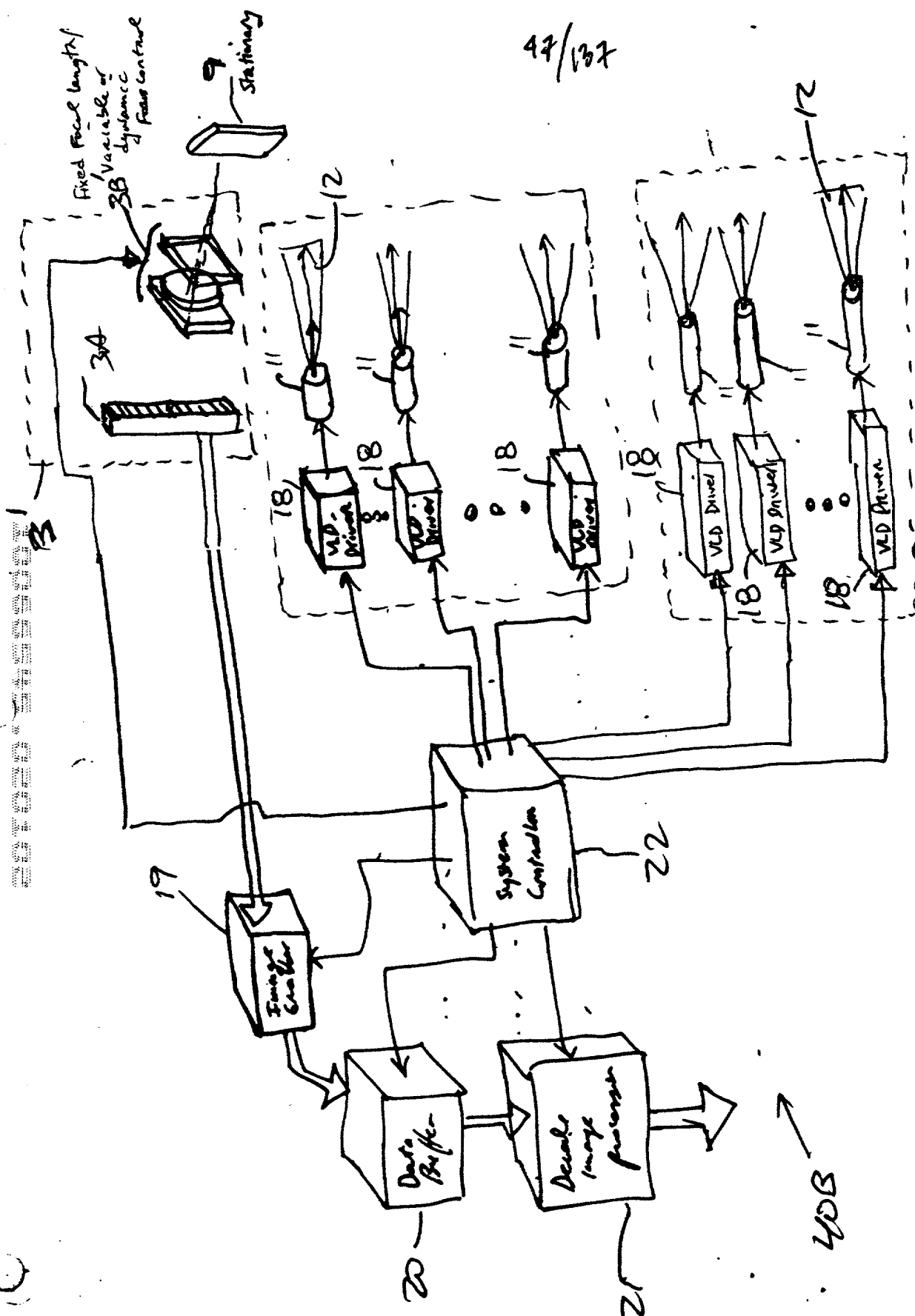


FIG. 2D2

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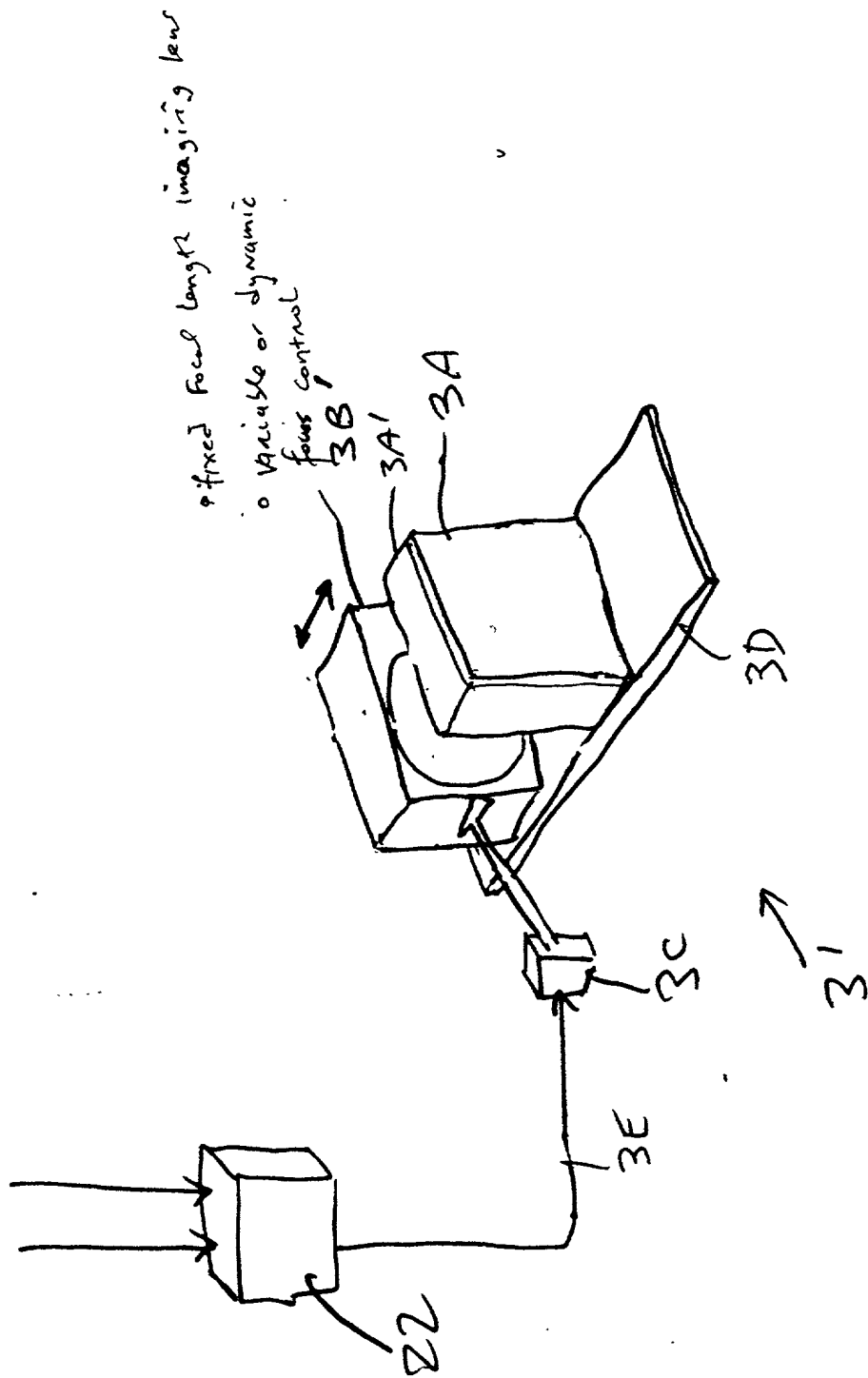


FIG. 2D3



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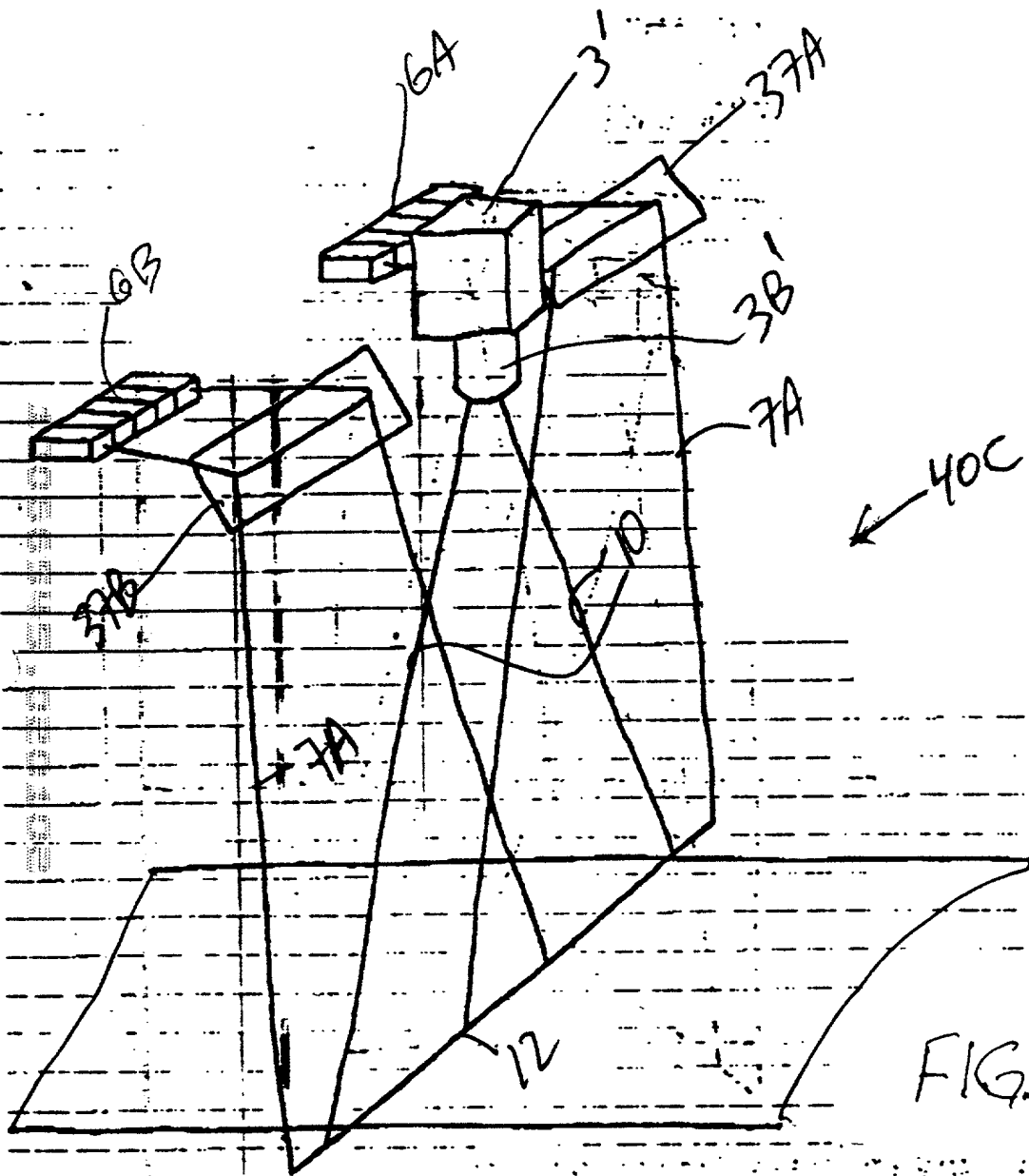


FIG. 2E1

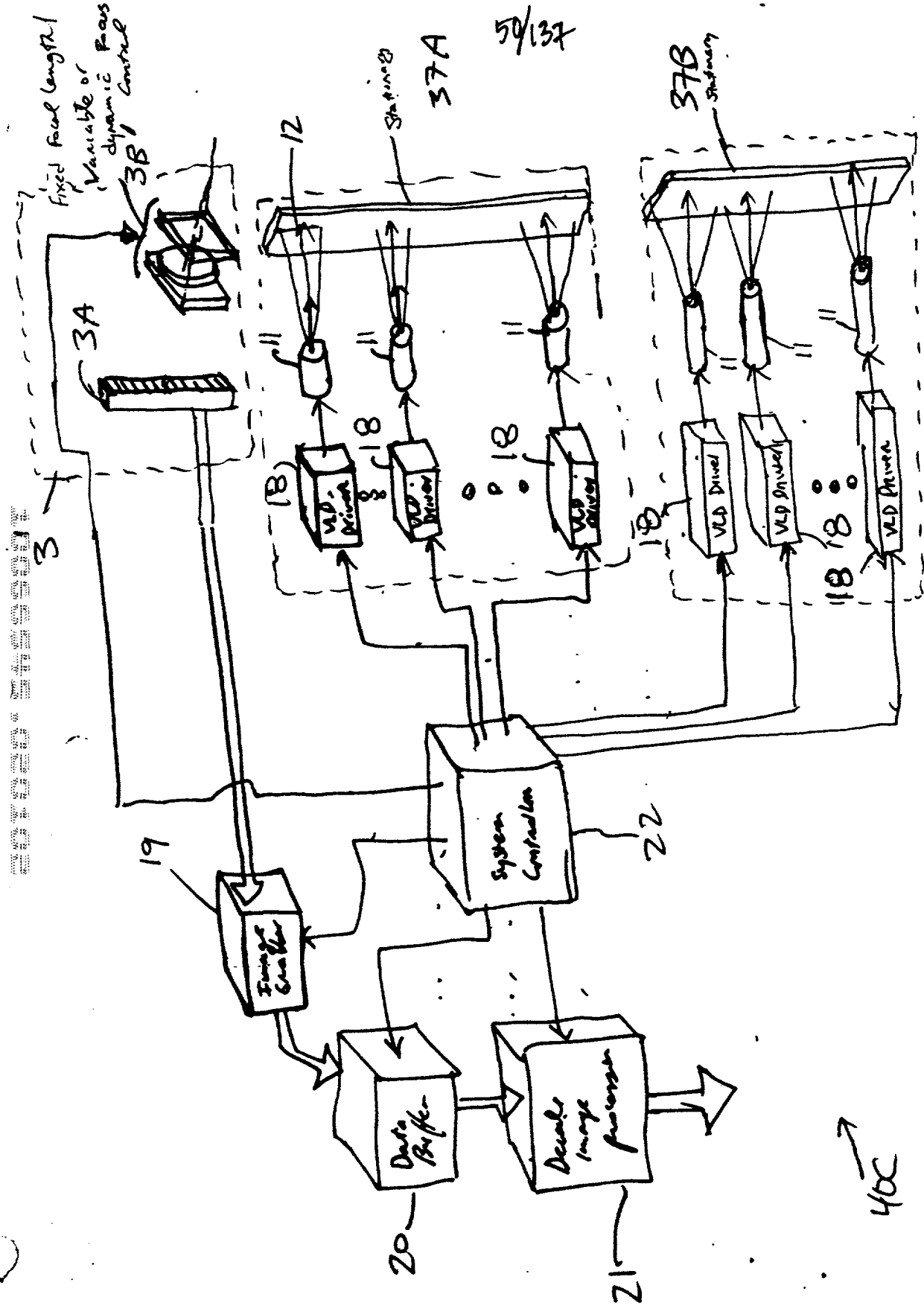


FIG. 2E2

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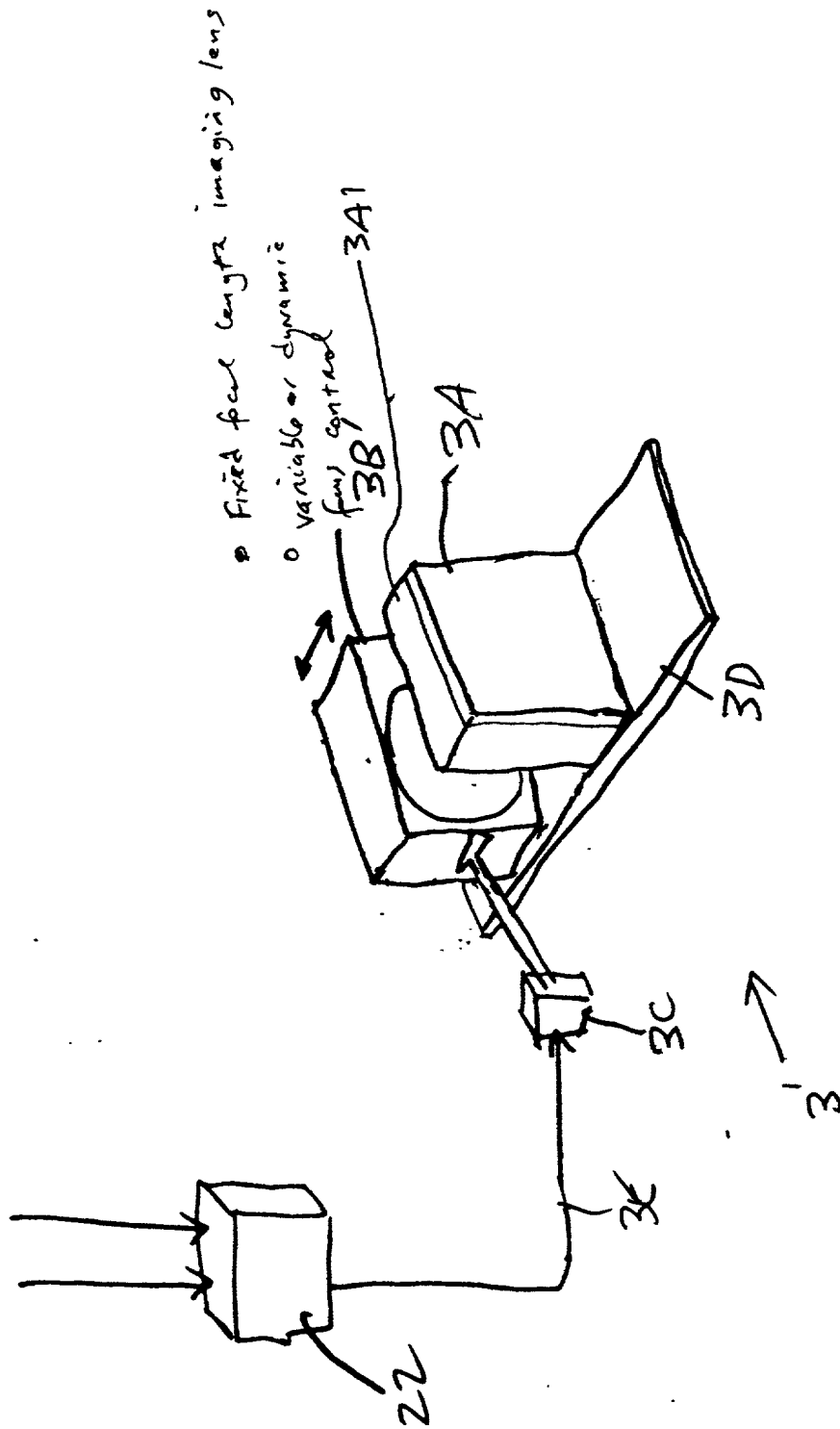


FIG. 2E3

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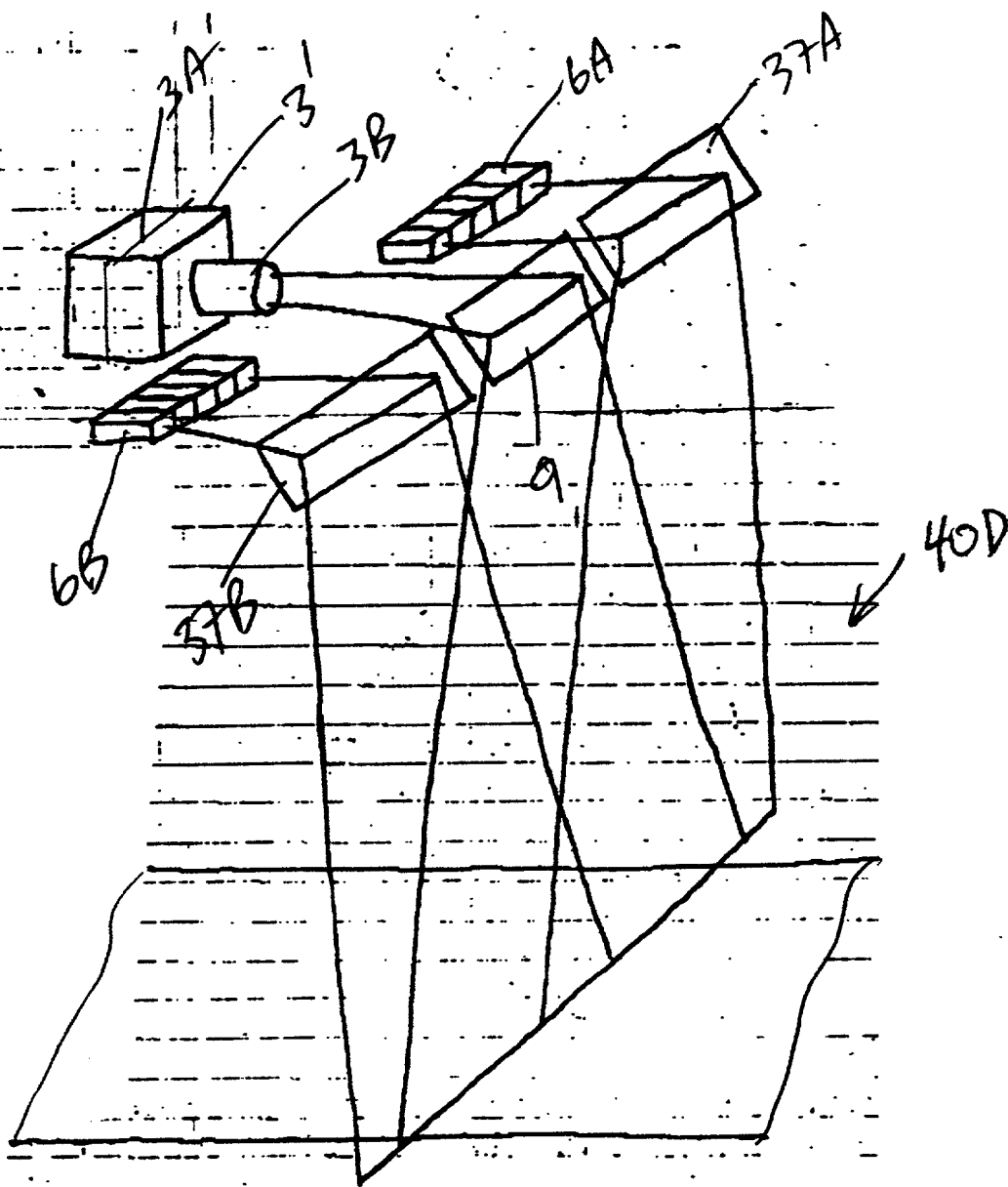


FIG 2F1

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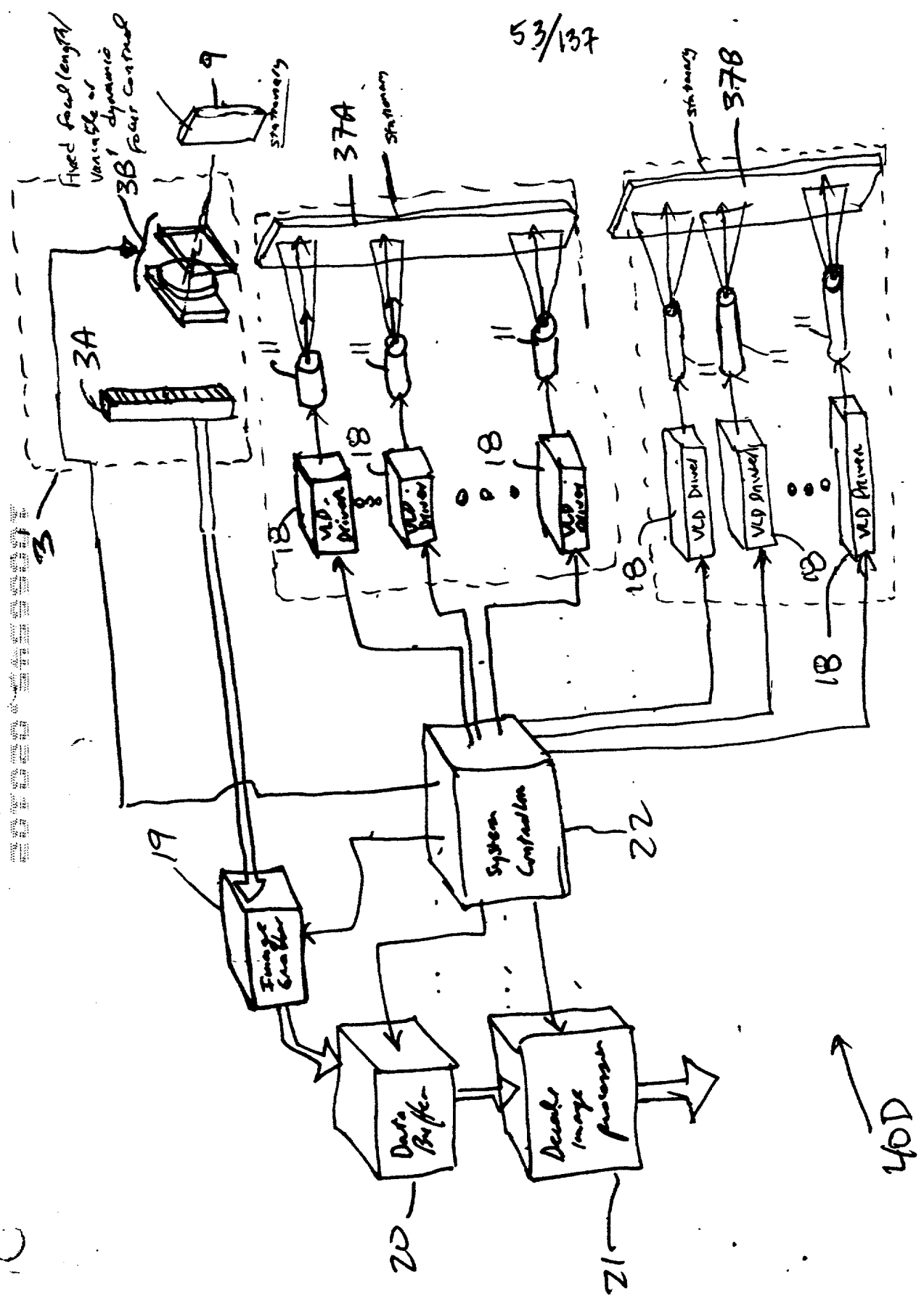


FIG. 2F2

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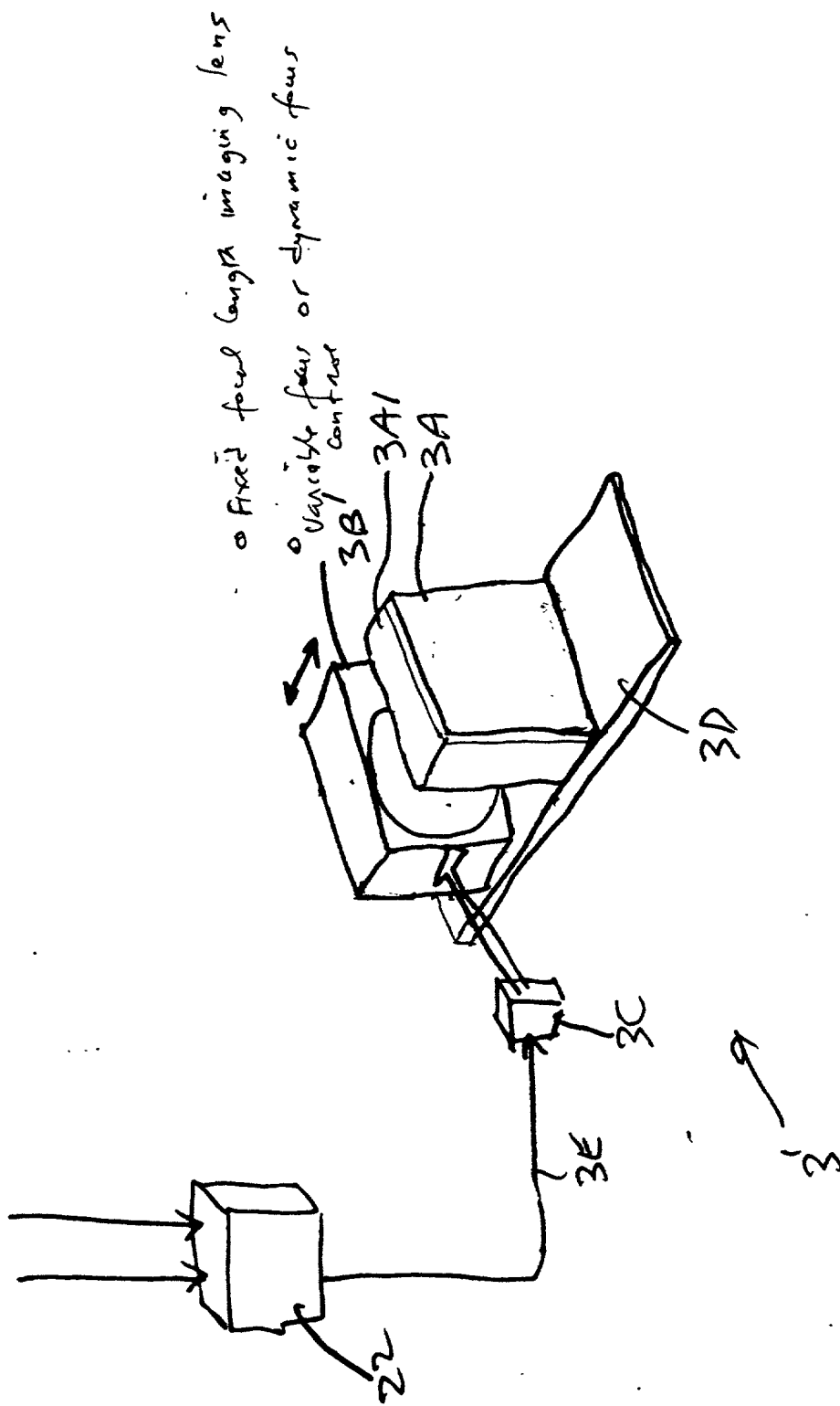


FIG. 2F3

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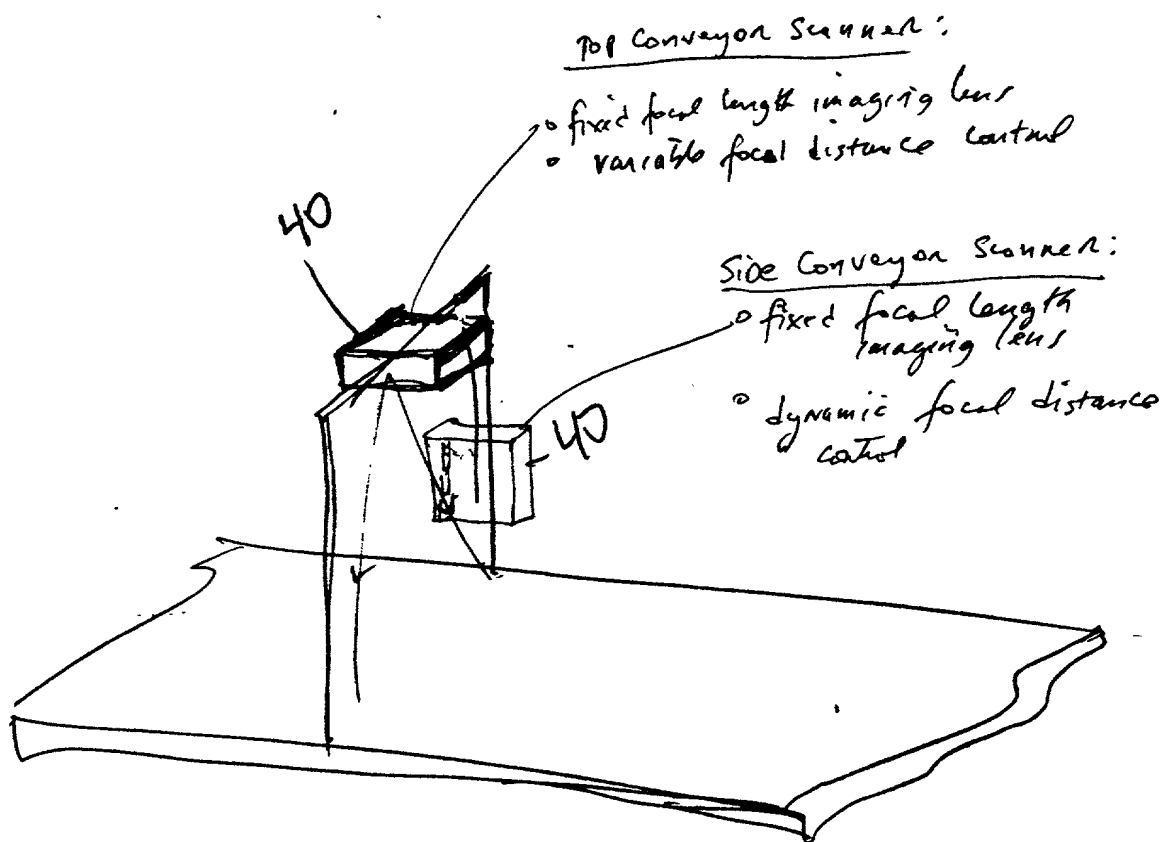
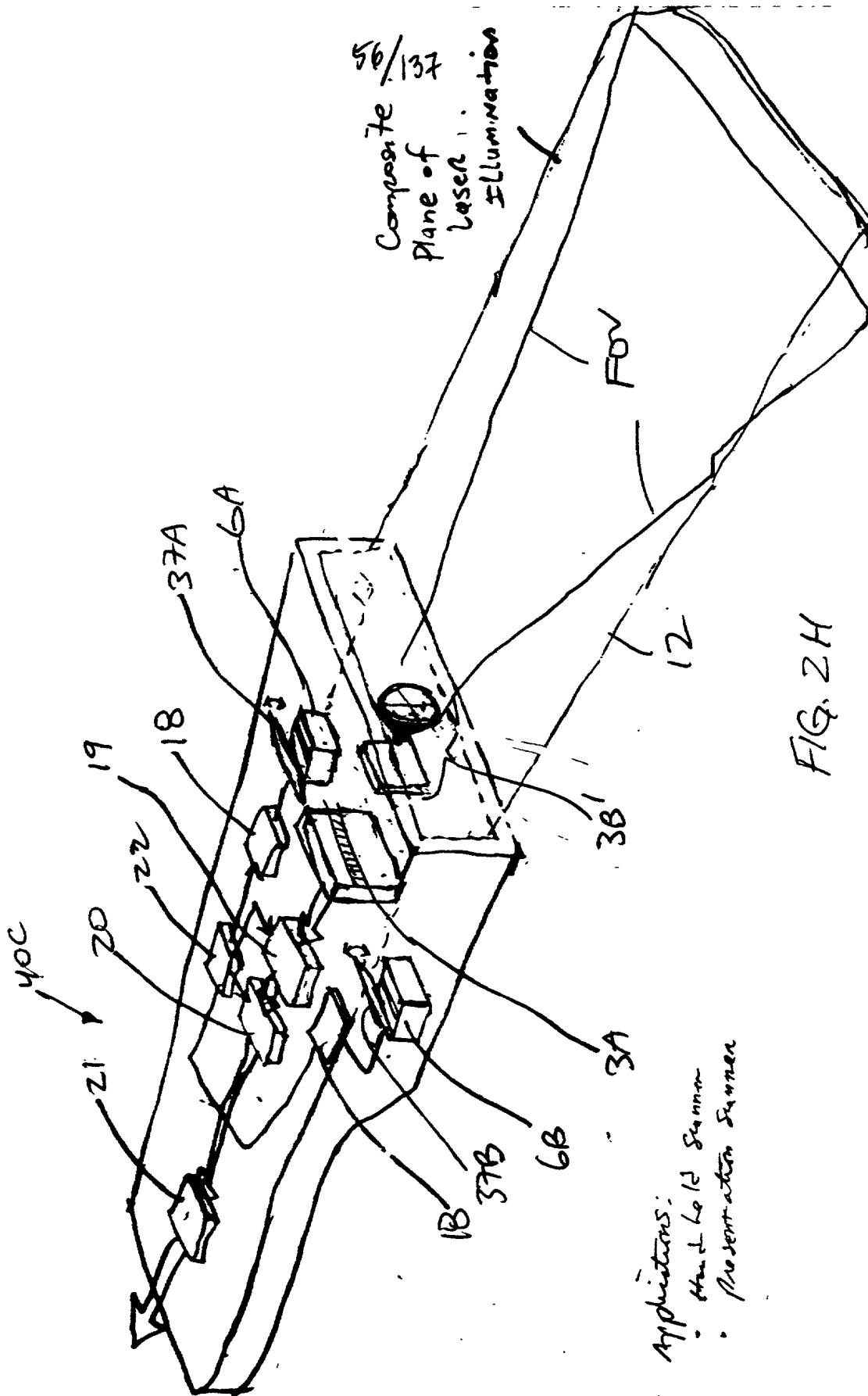


FIG. 2G





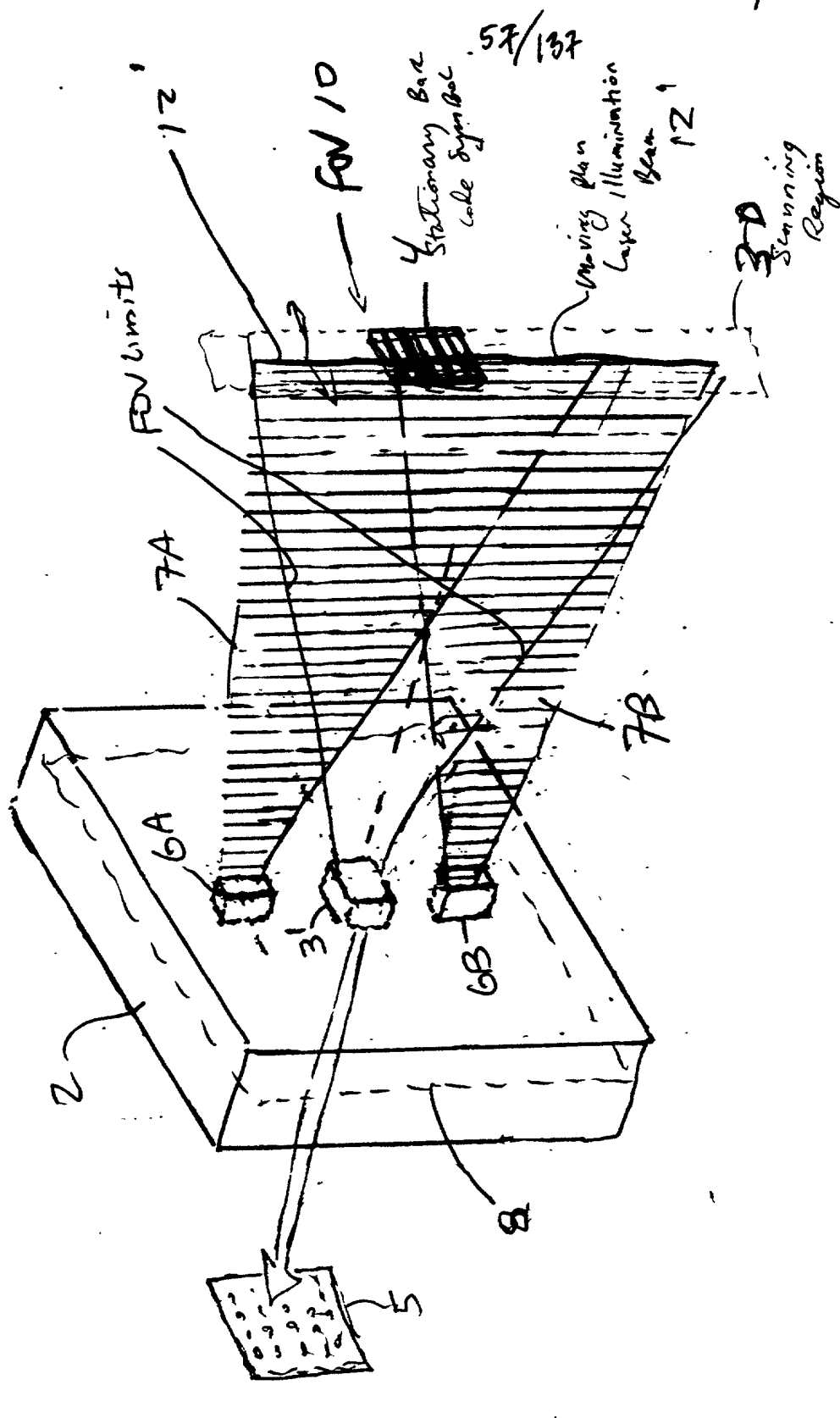
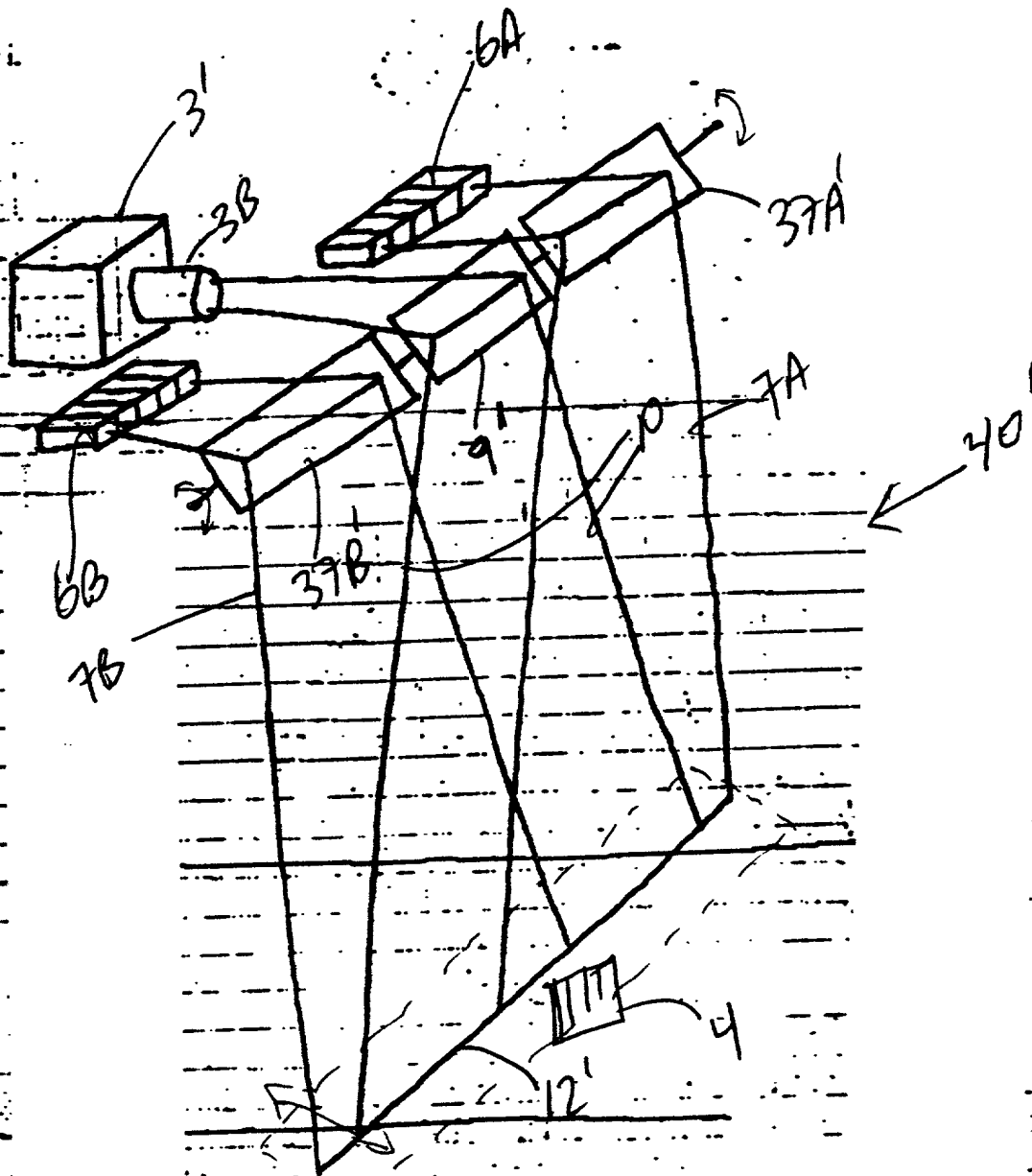


FIG. 2II

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3-D  
Scanning  
Region

FIG 2I2

0.0

0

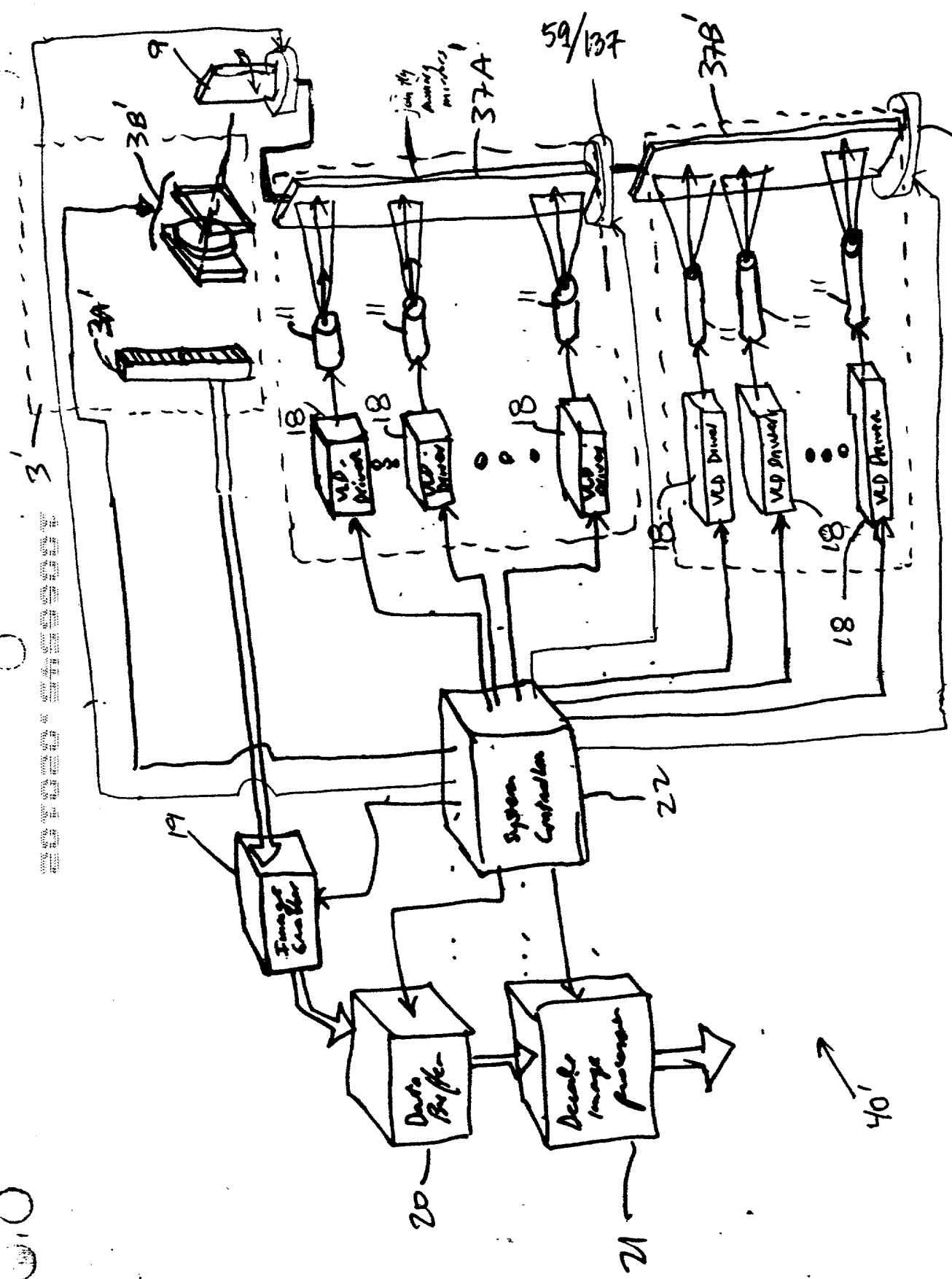


FIG. 2I3

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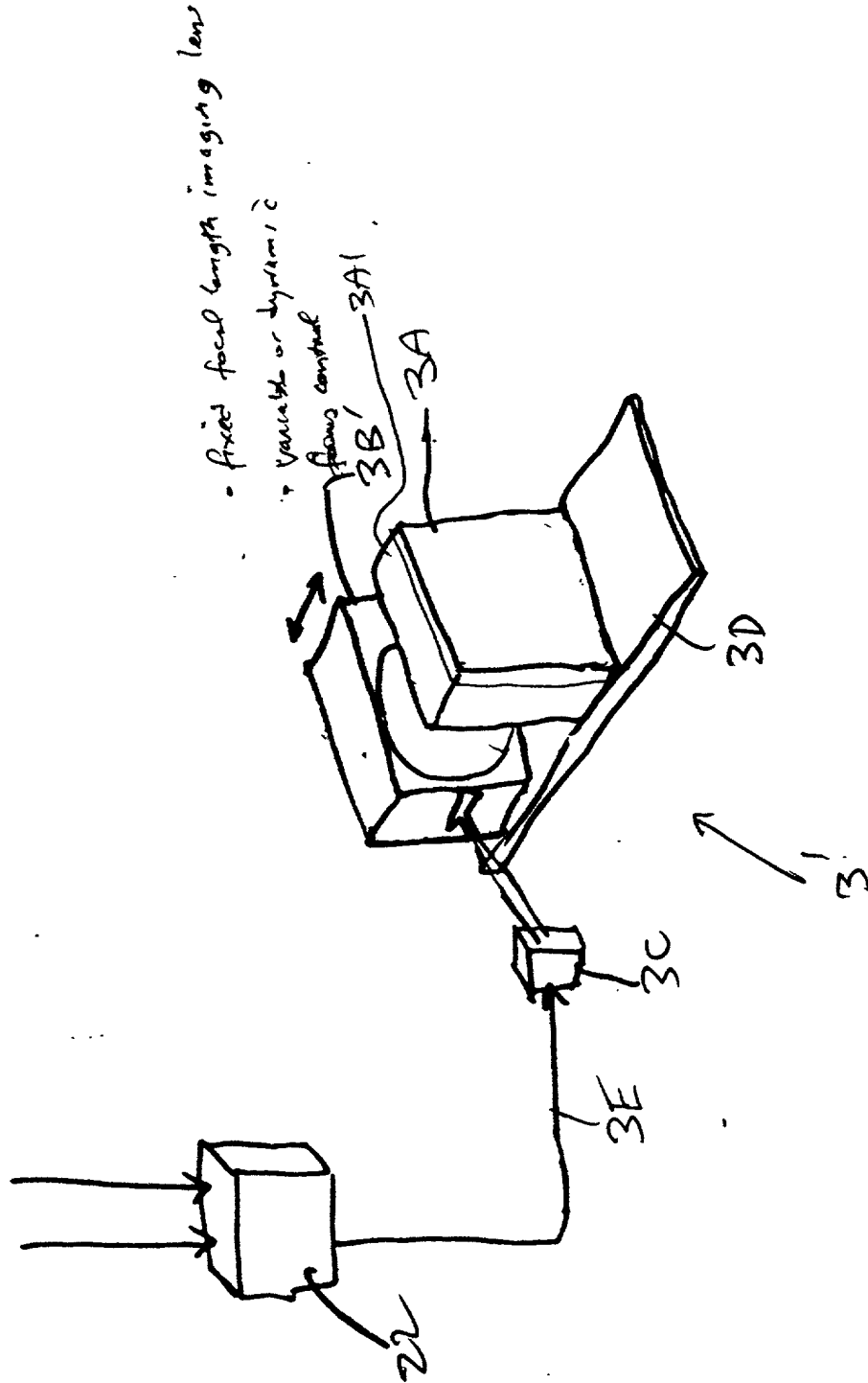
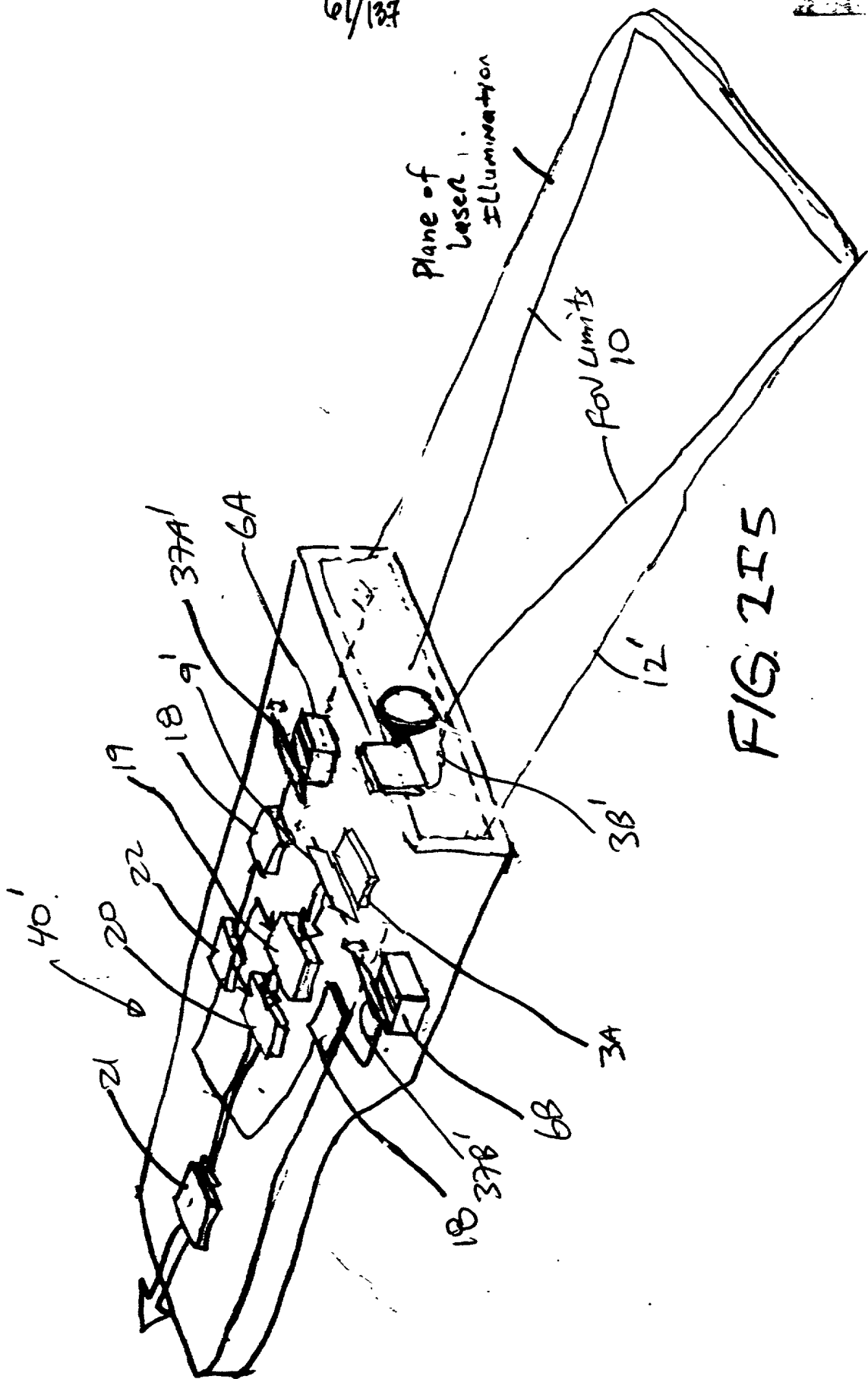


FIG. 2I4

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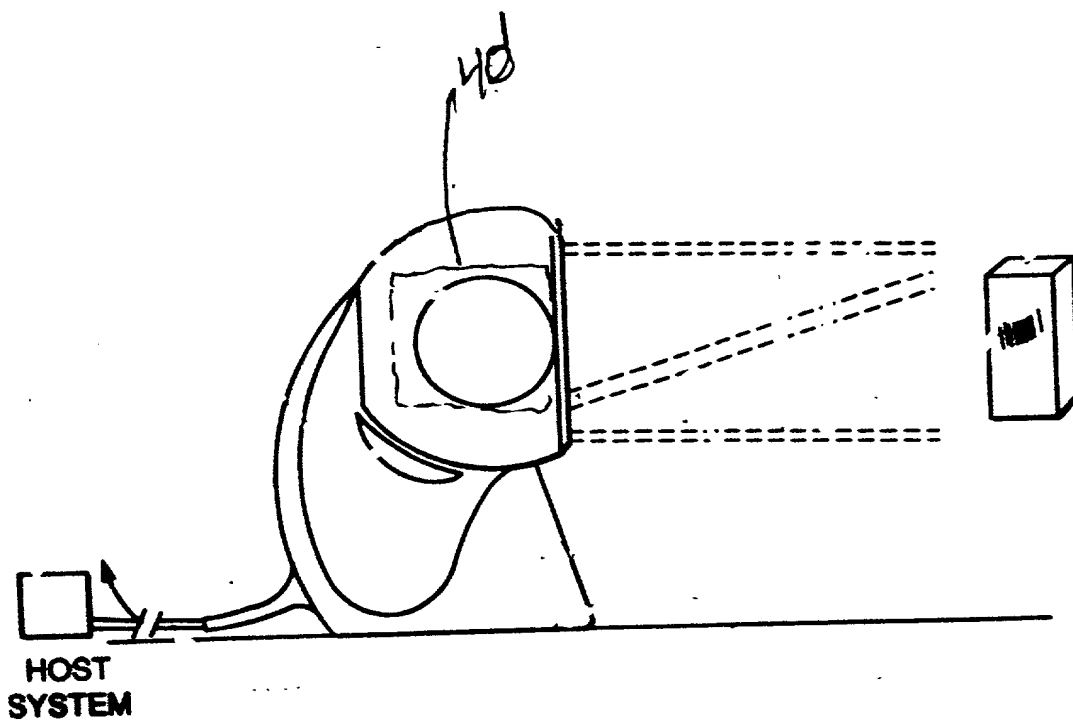


FIG. 2I6

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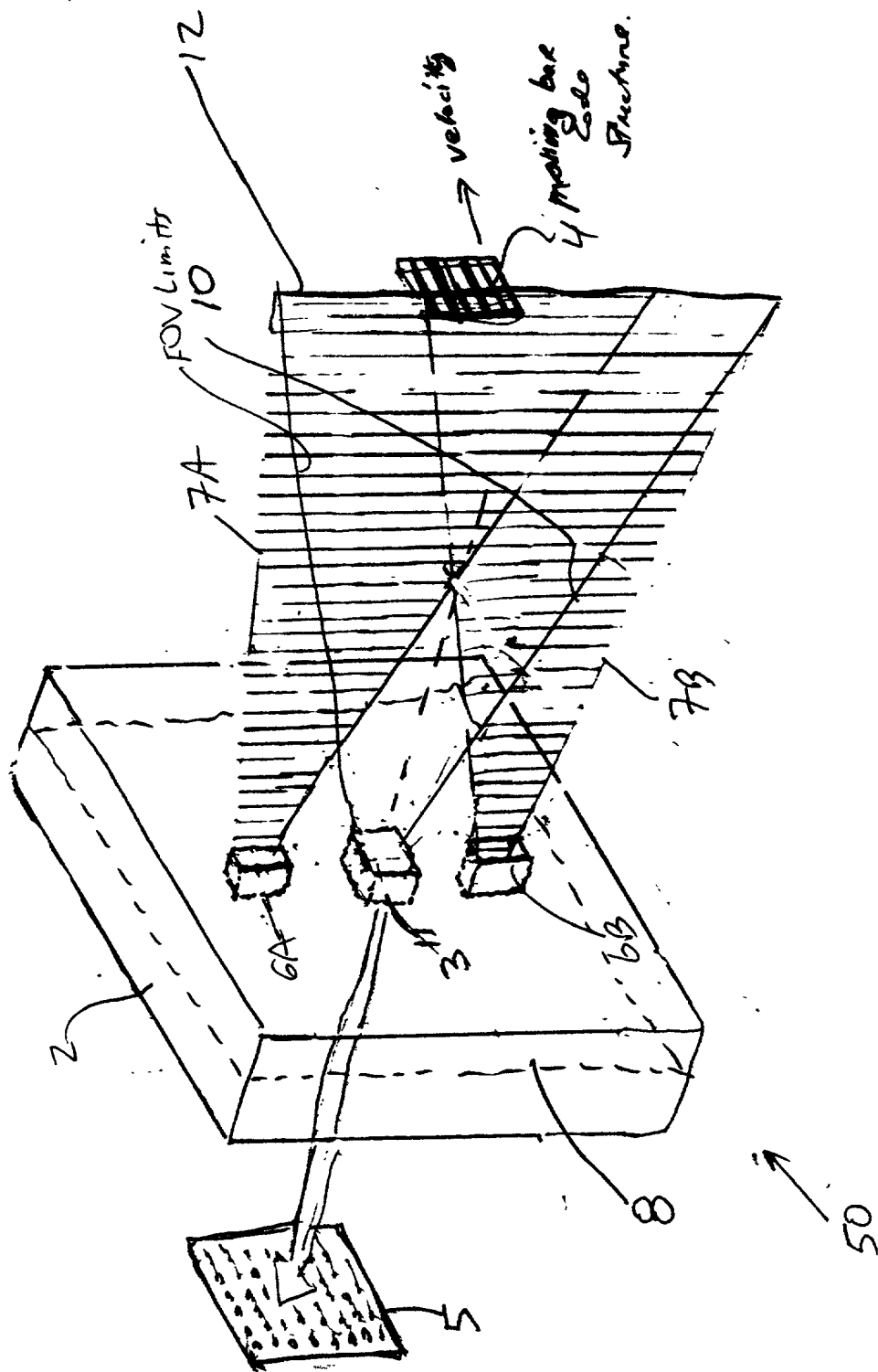


FIG 3A

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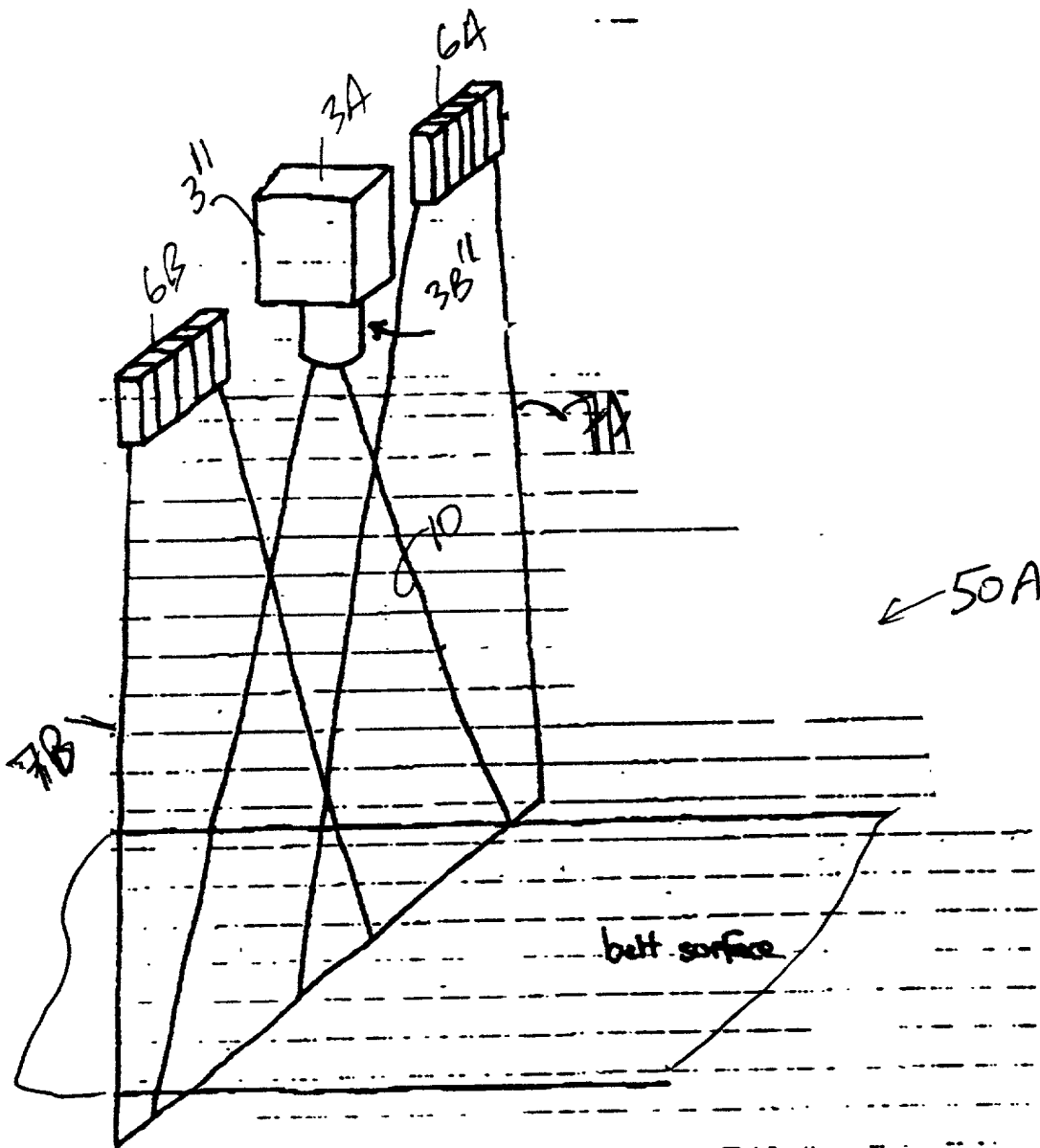


FIG. 3B1



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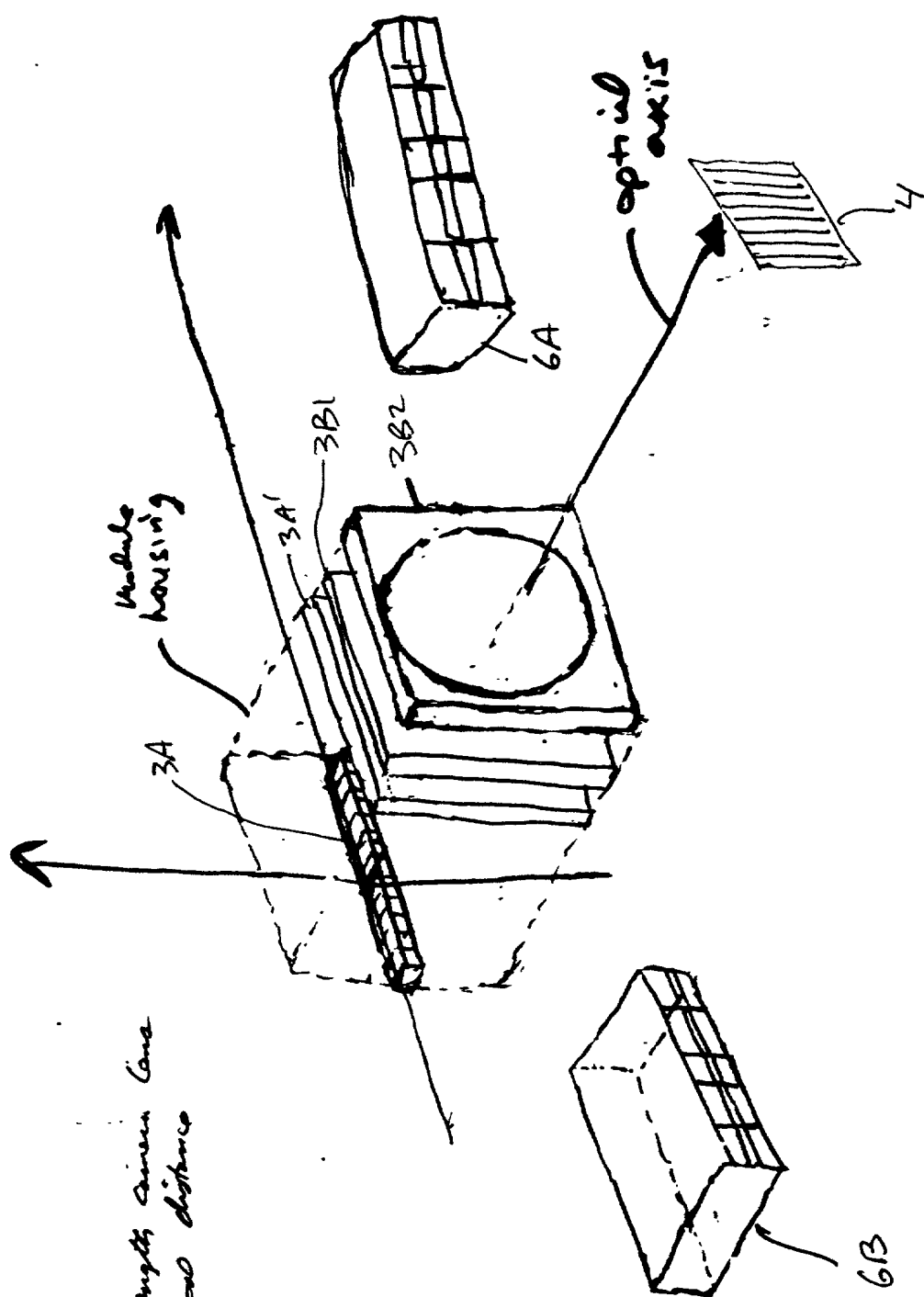
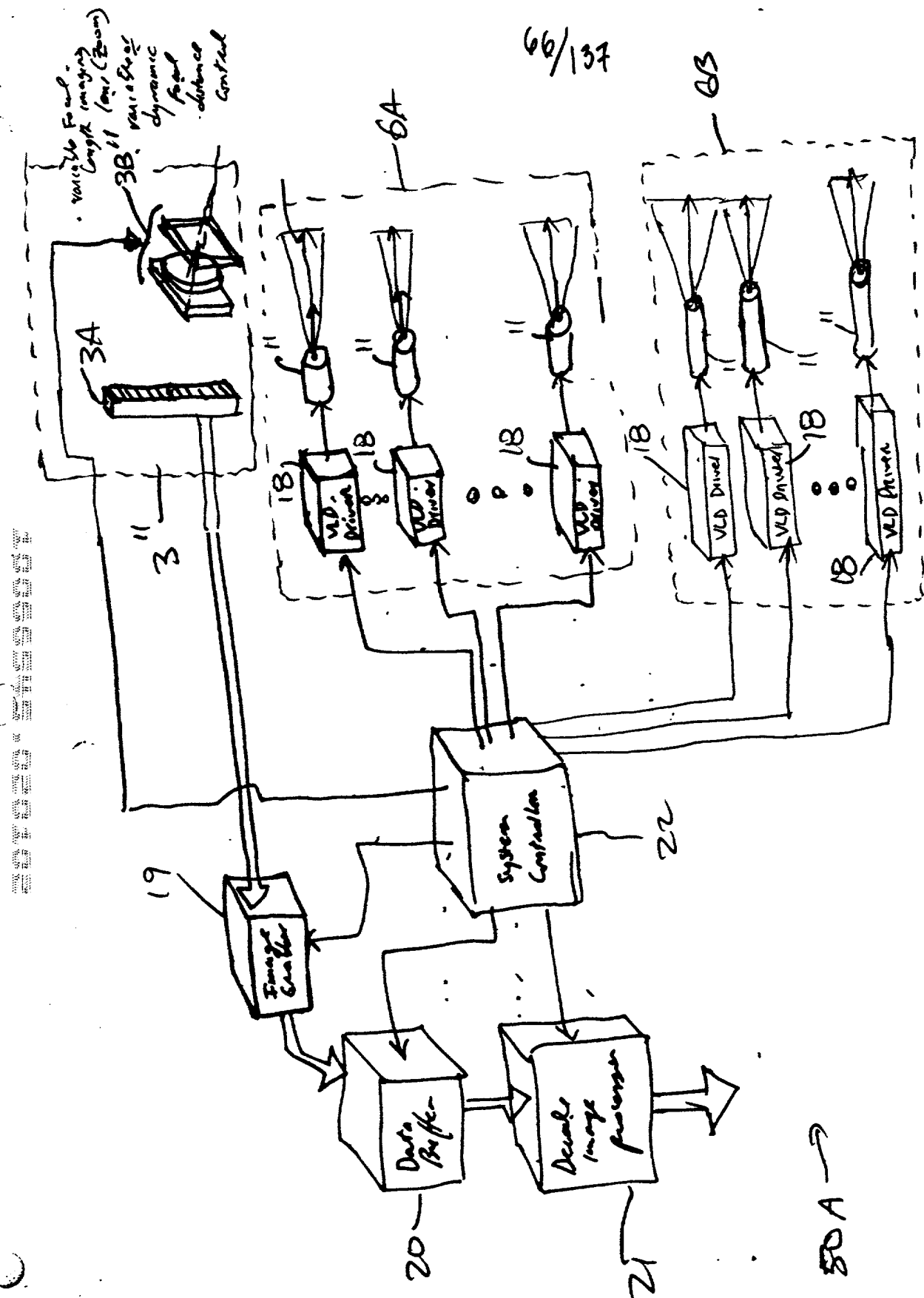
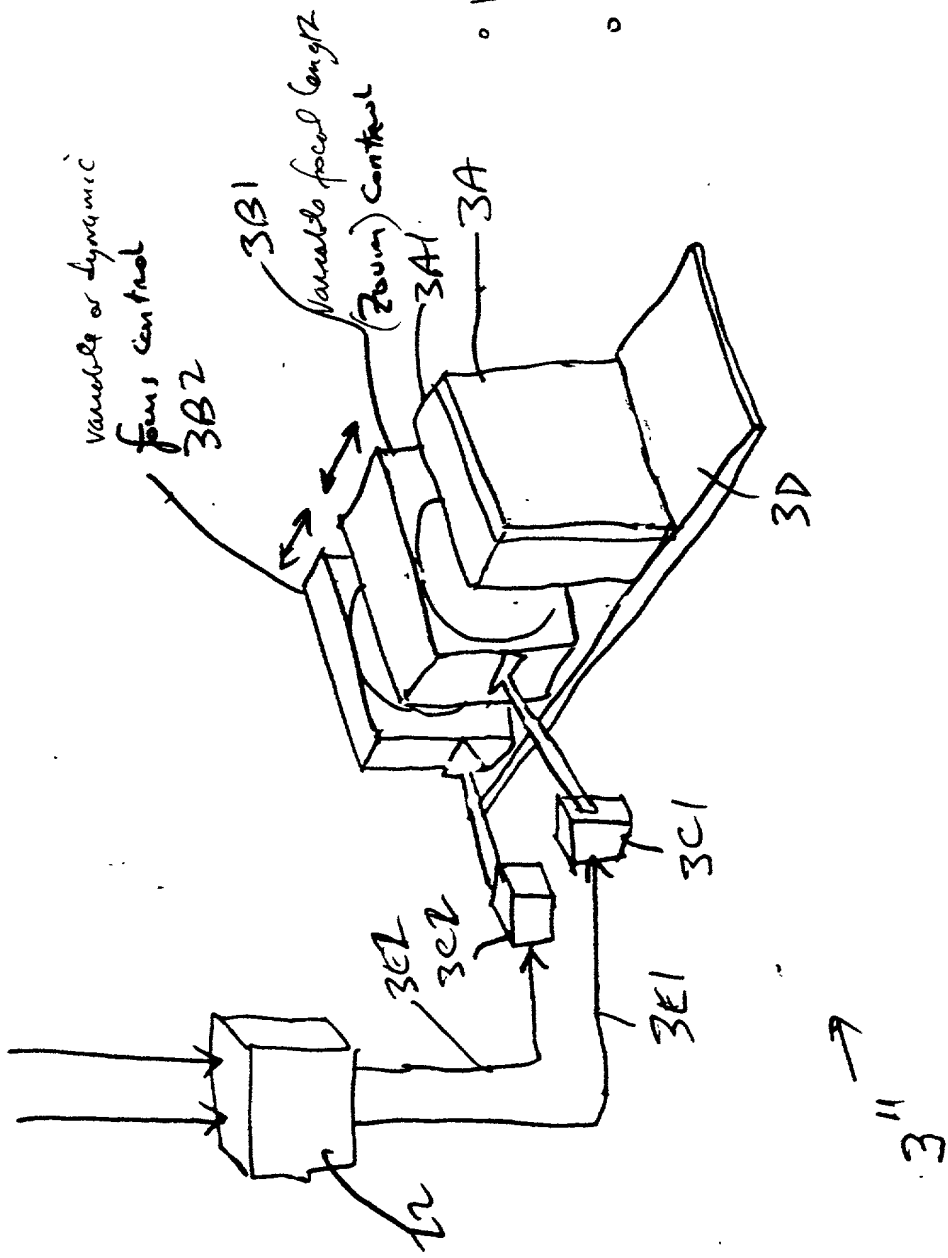


FIG. 3B2

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AB



- 67/137
- Variable focal length lenses lens
  - Variable focal distance

FIG. 3CZ

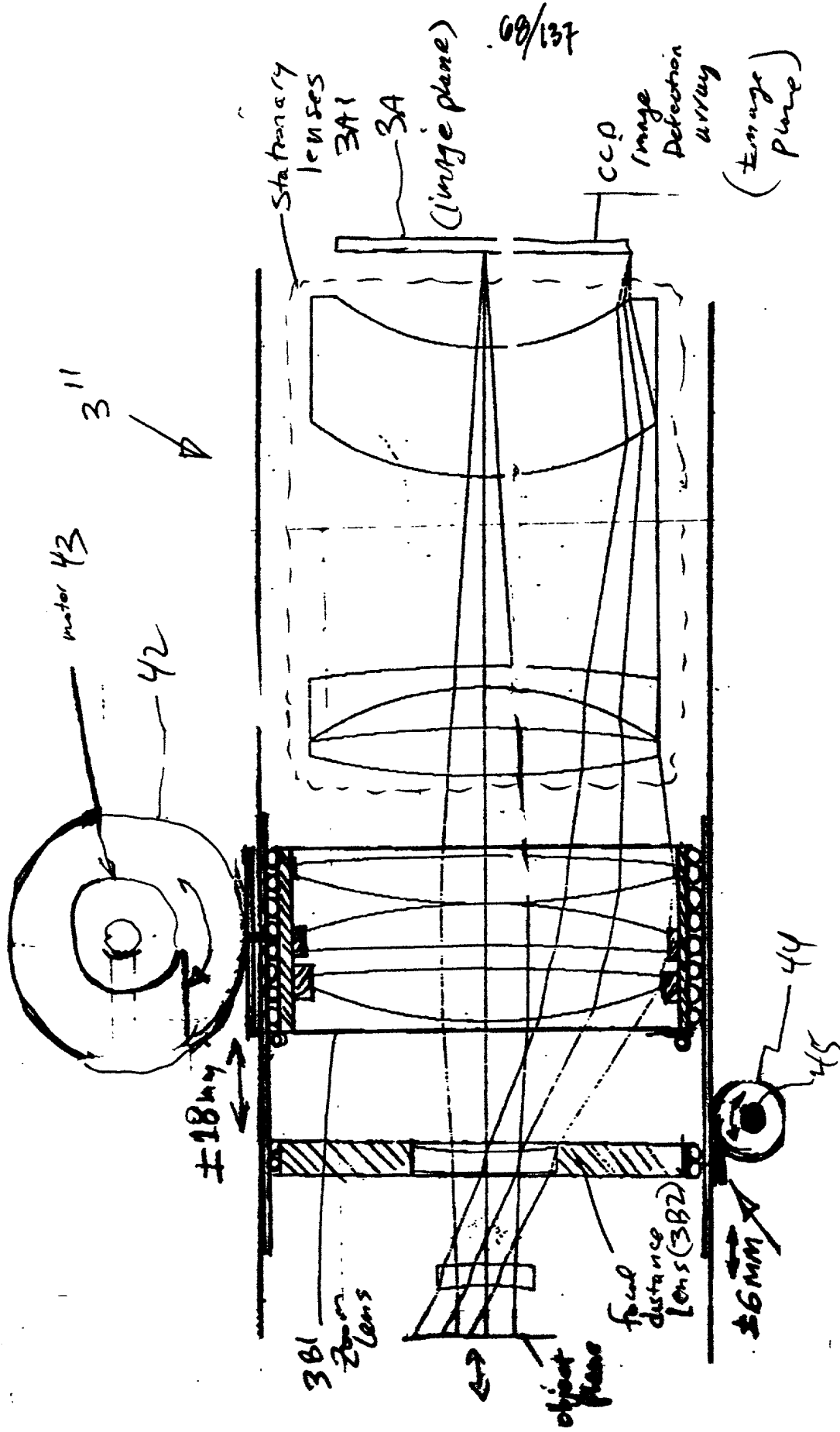


FIG. 3D





FIG. 3E2

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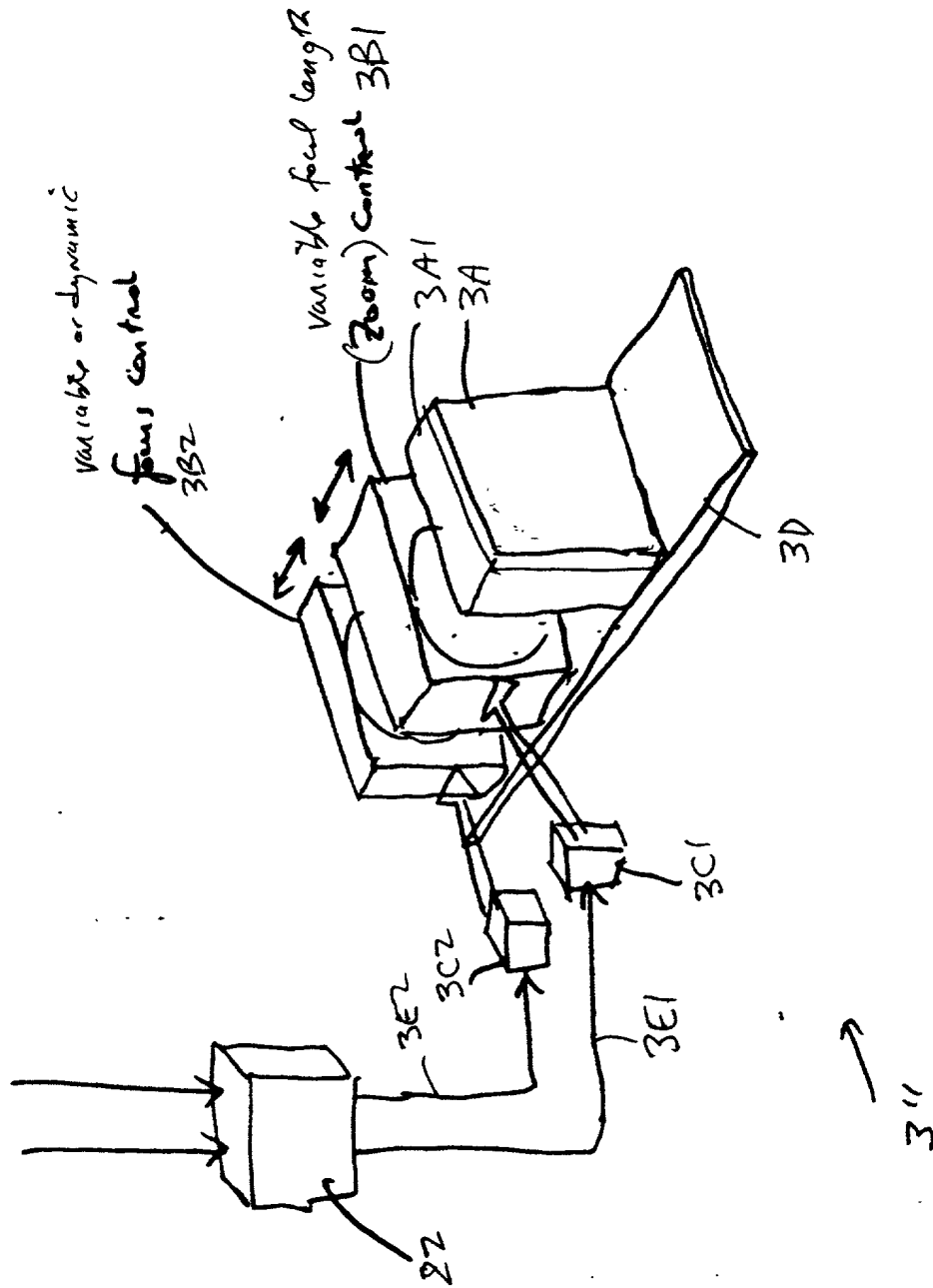


FIG. 3E3

Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	

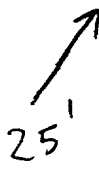


FIG. 3E4



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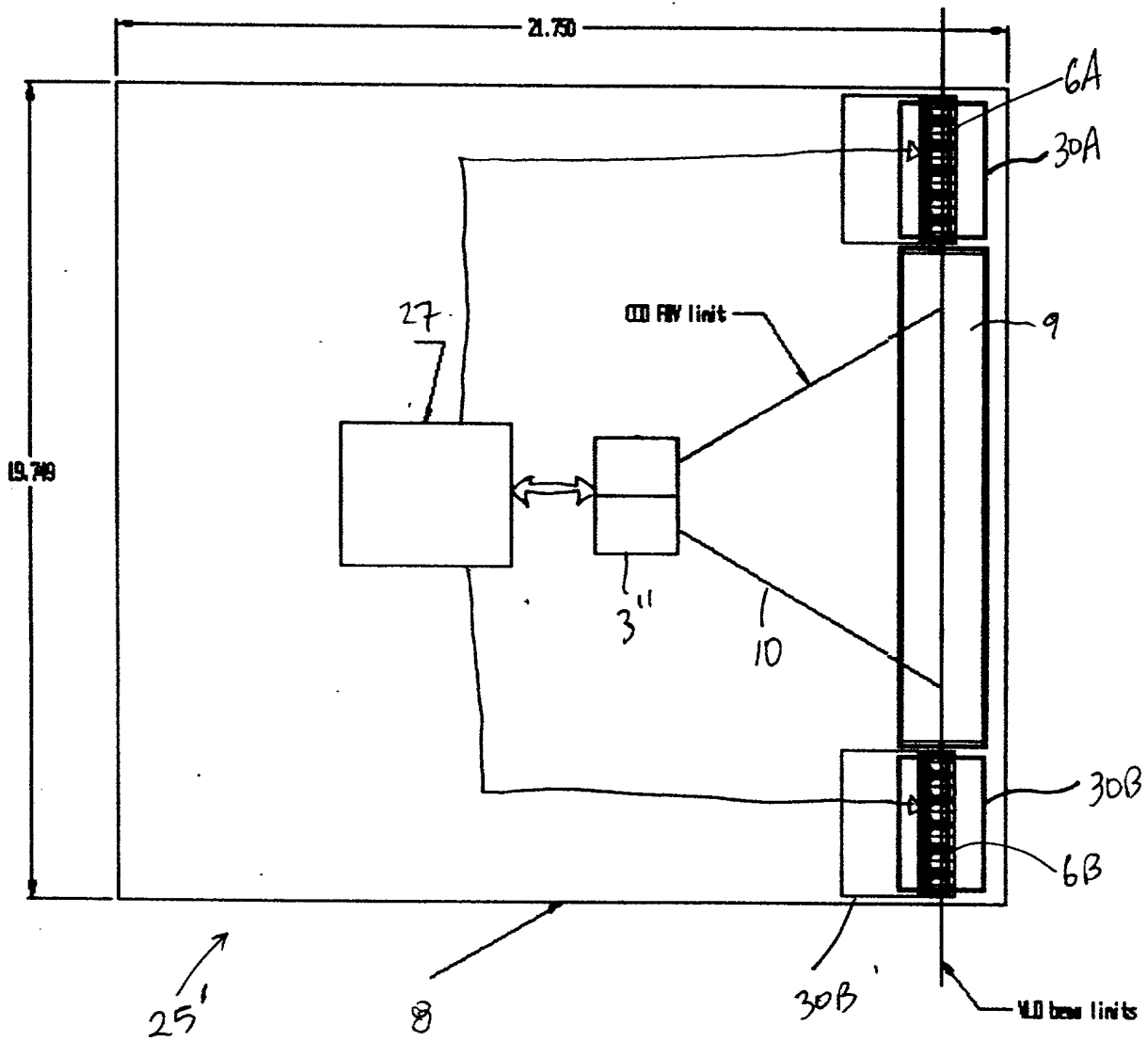
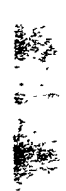


FIG. 3E5



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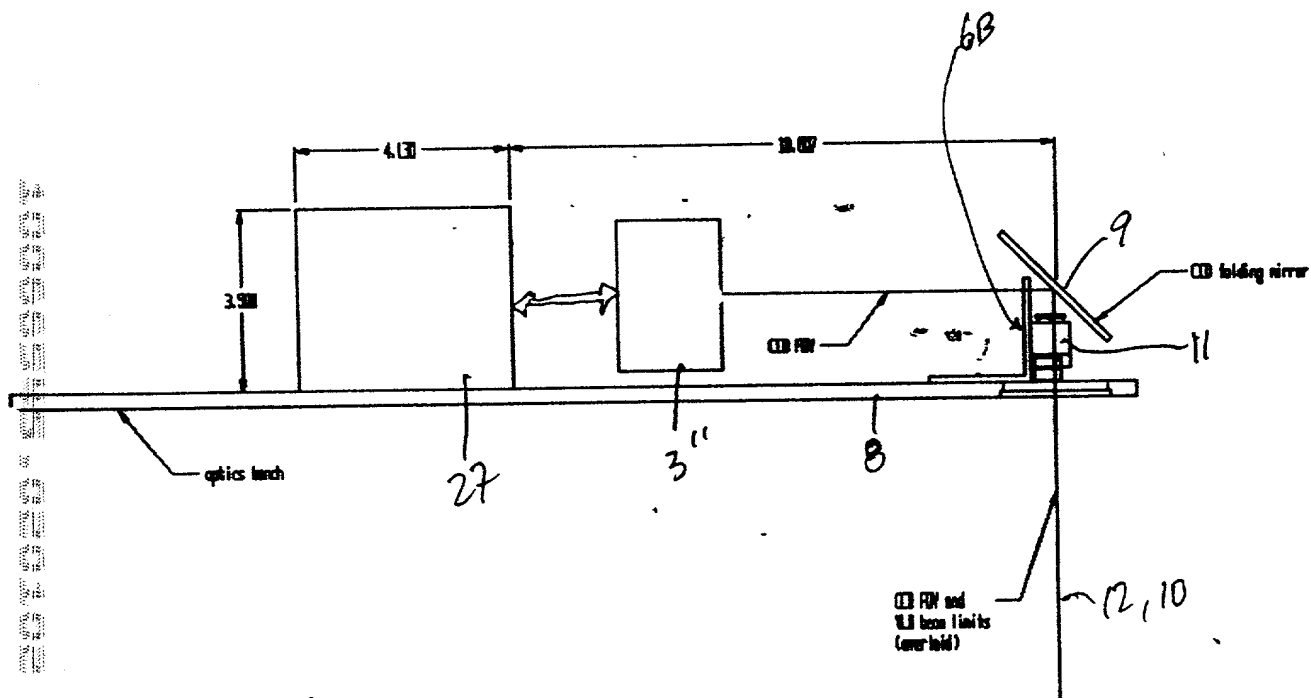


FIG. 3E7

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\*variable FON

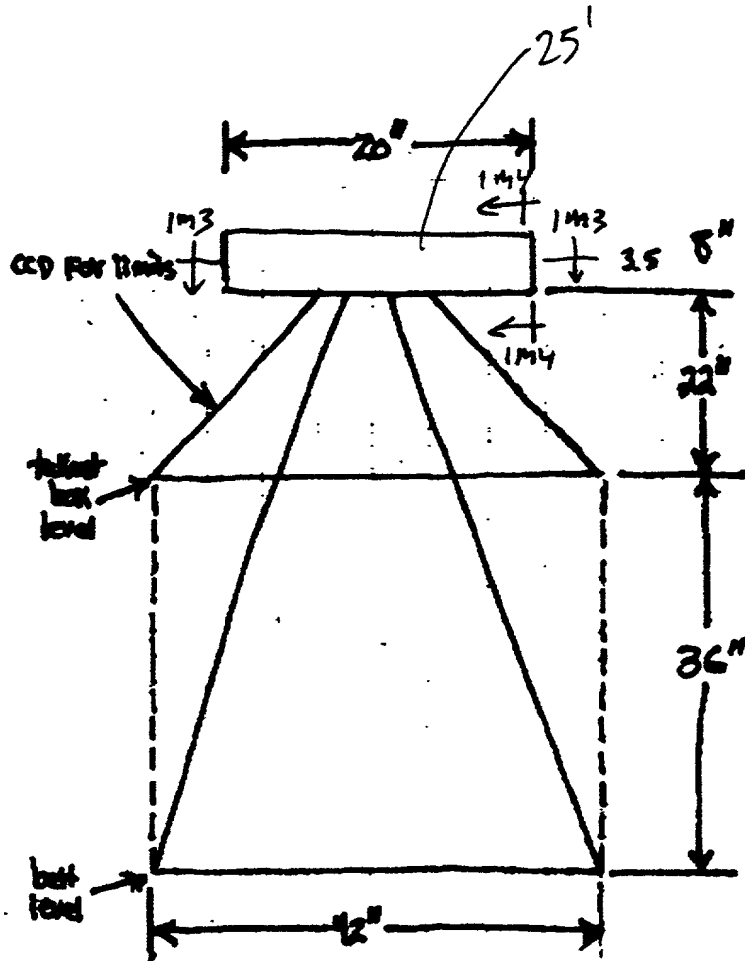


FIG. 3E8

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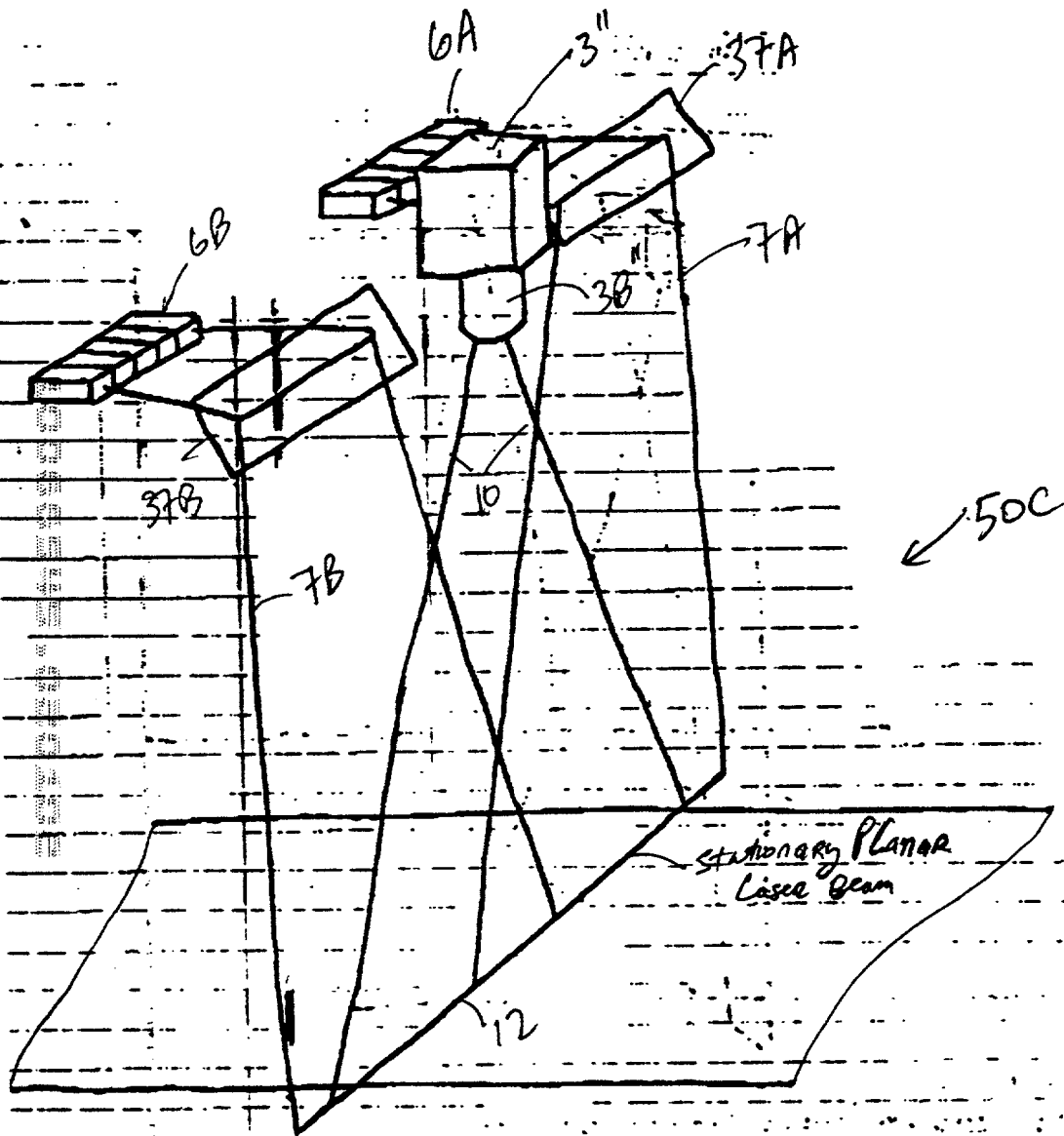


FIG 3F1

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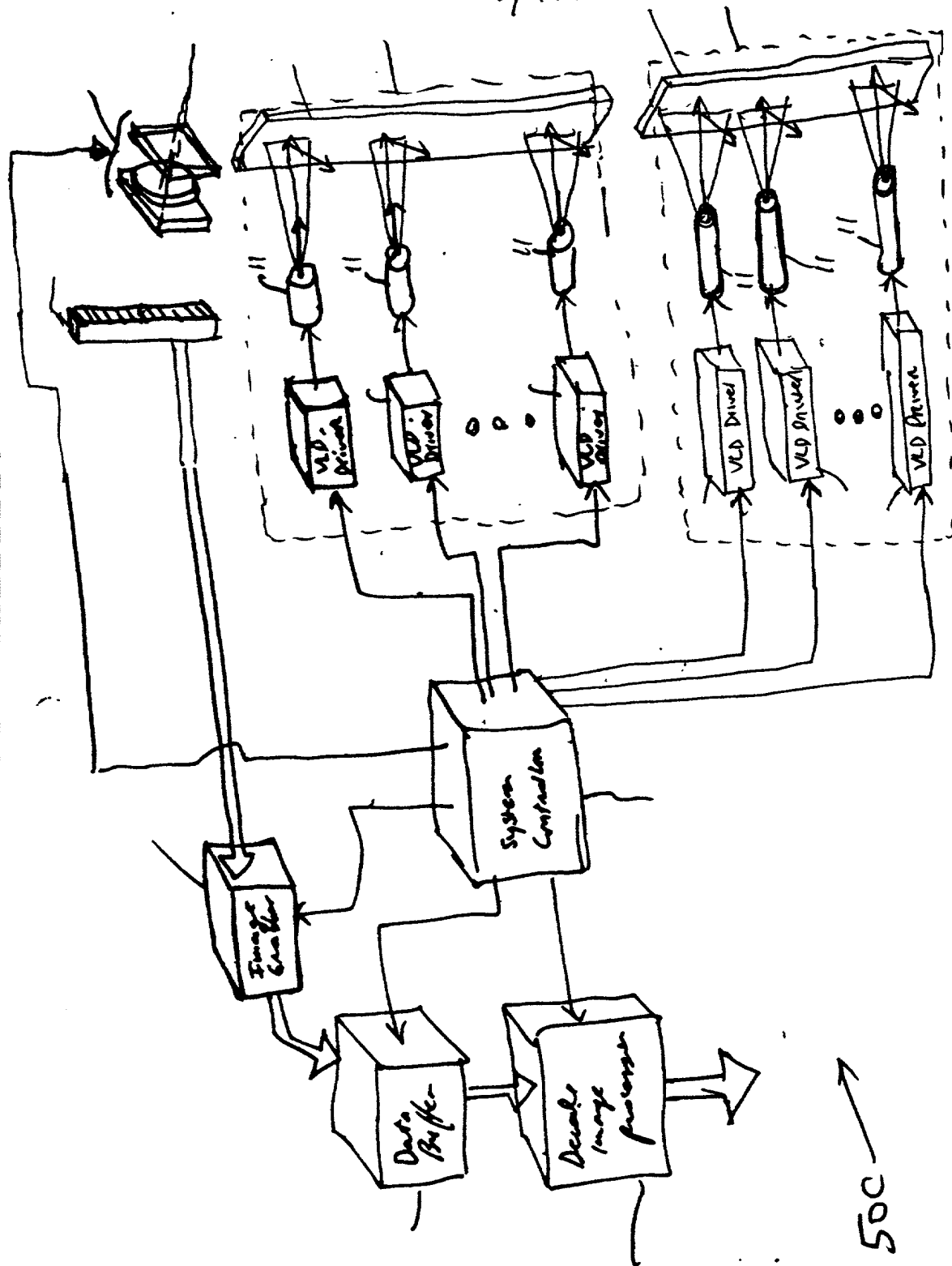


FIG. 3F2

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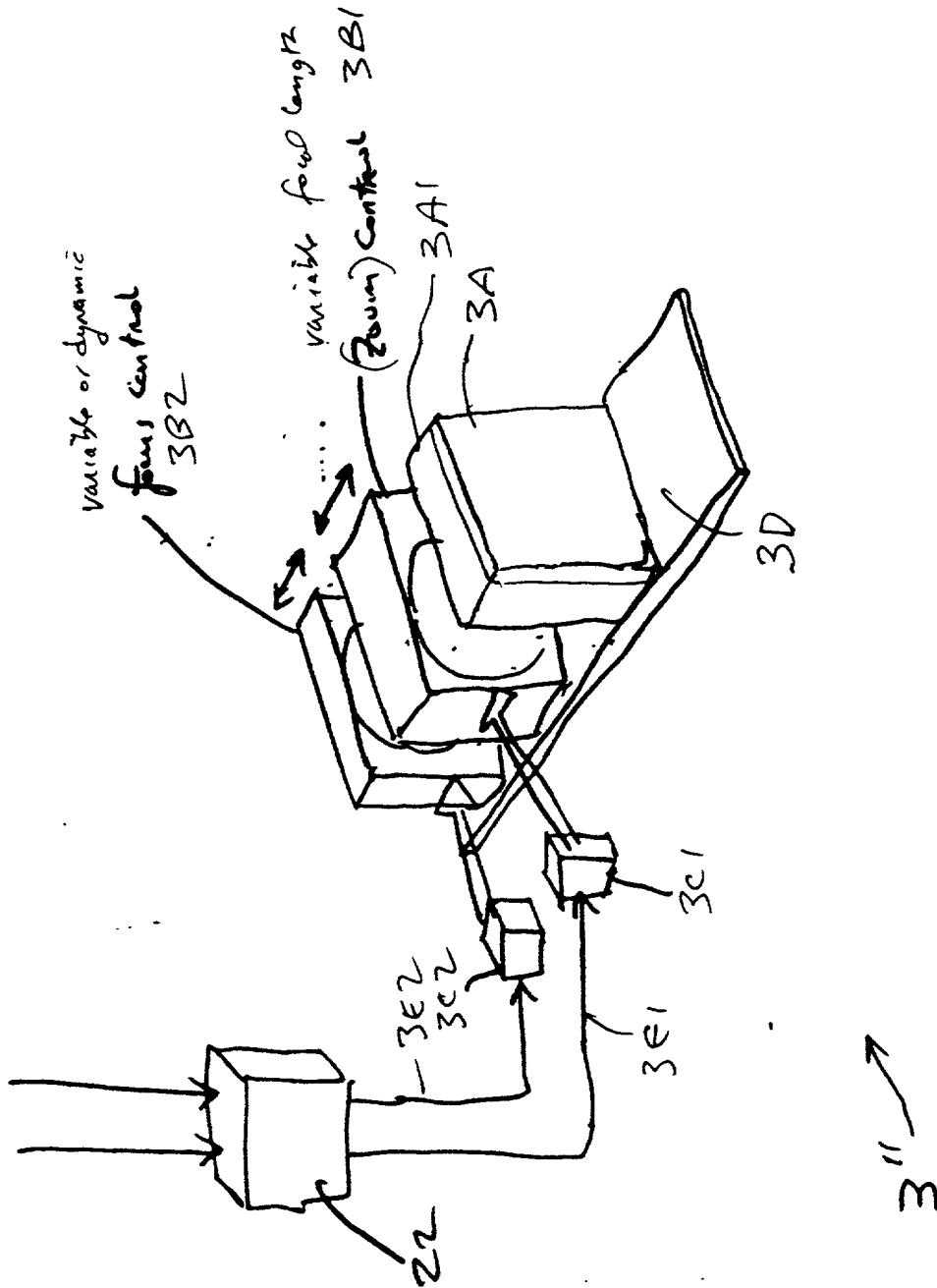


FIG. 3F3

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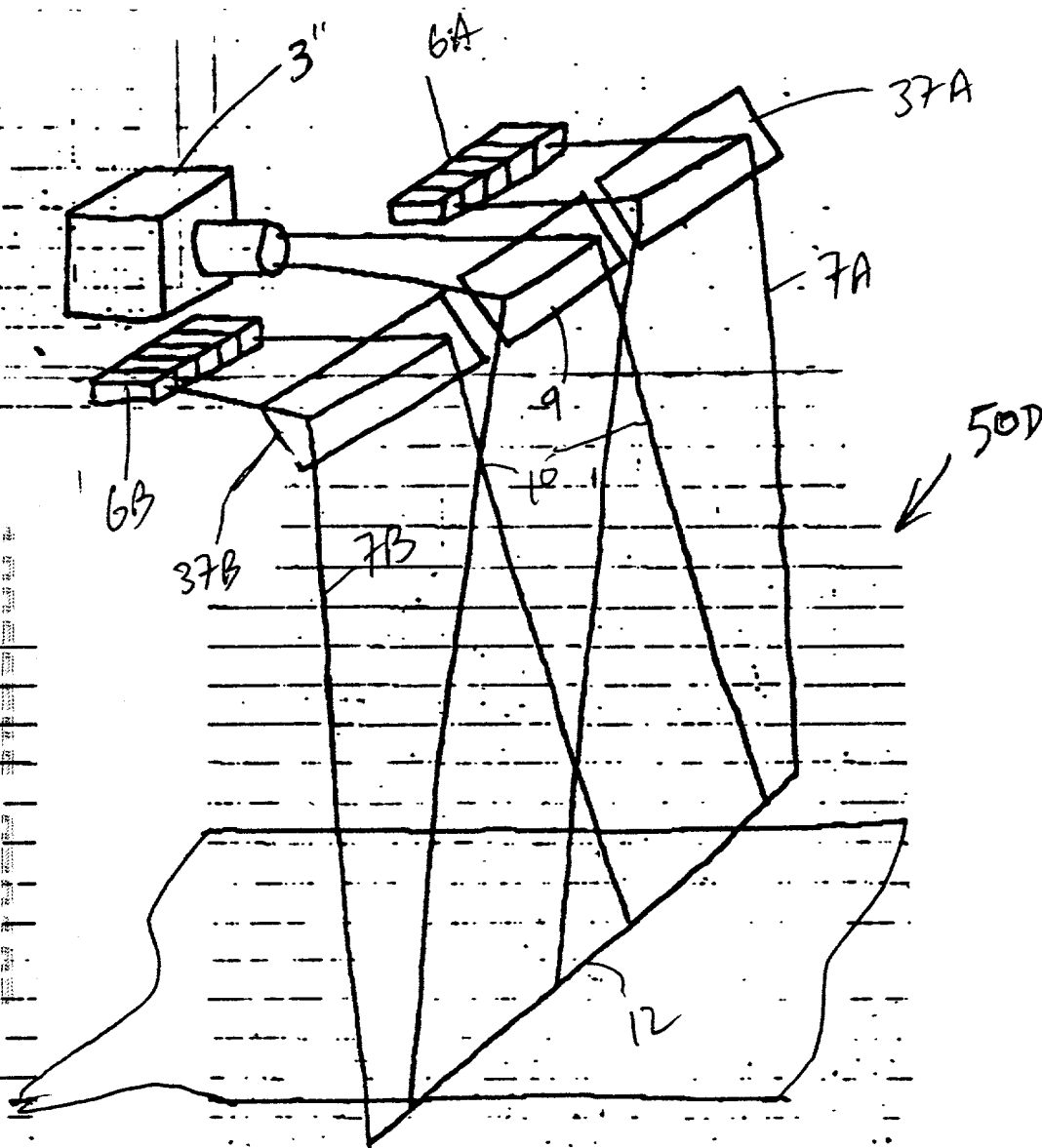


FIG. 3G1



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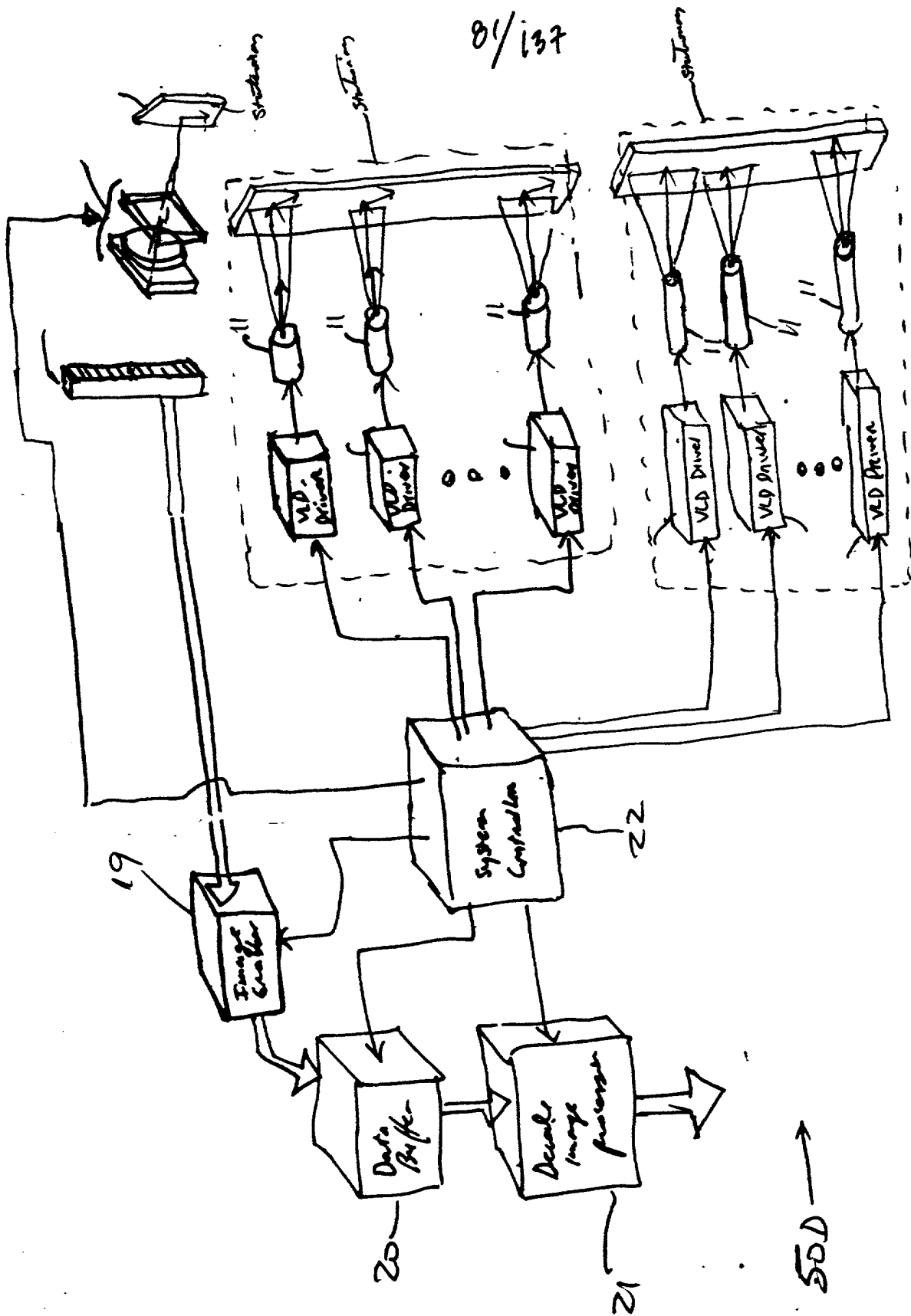


FIG. 362

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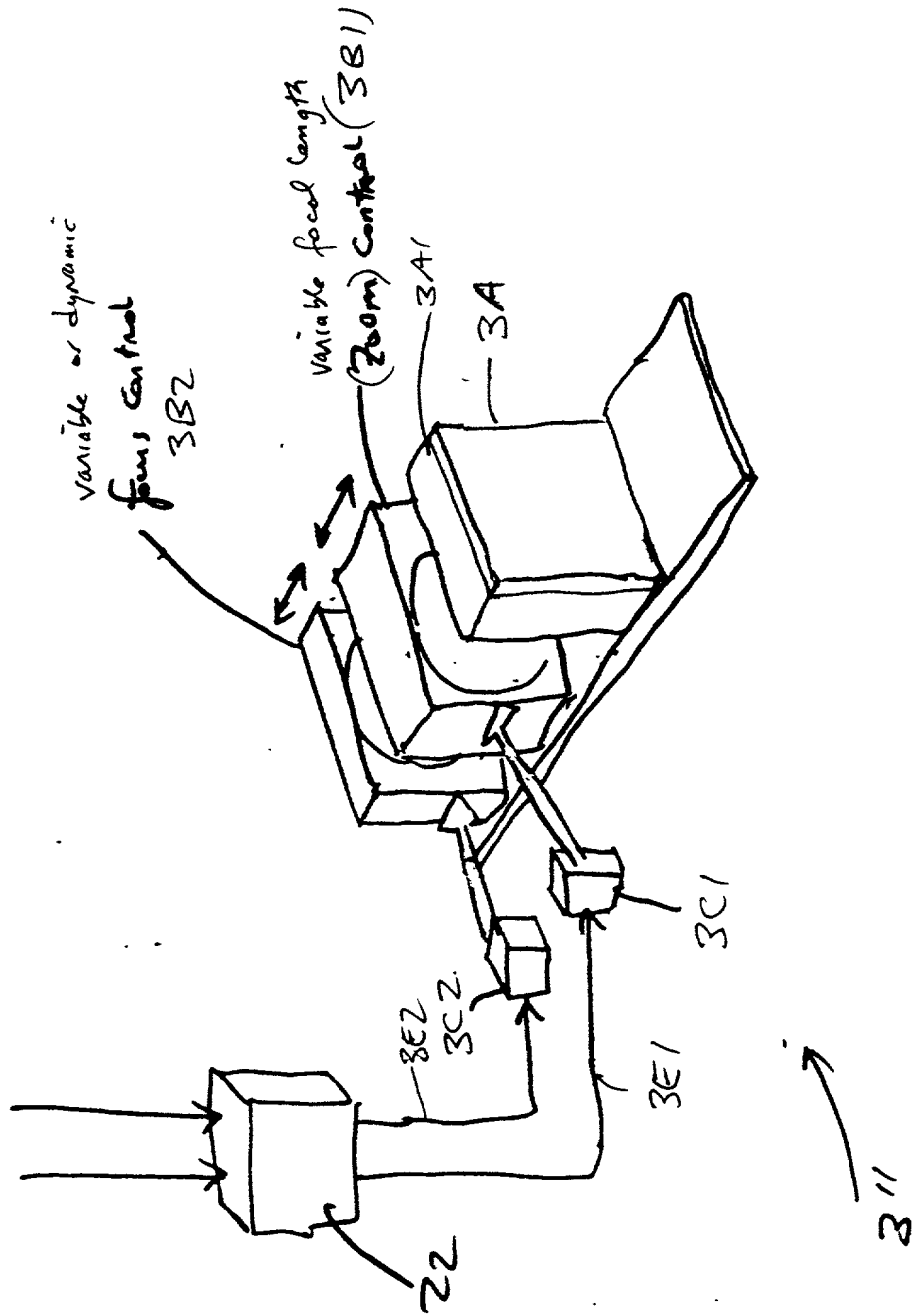


FIG. 3G3

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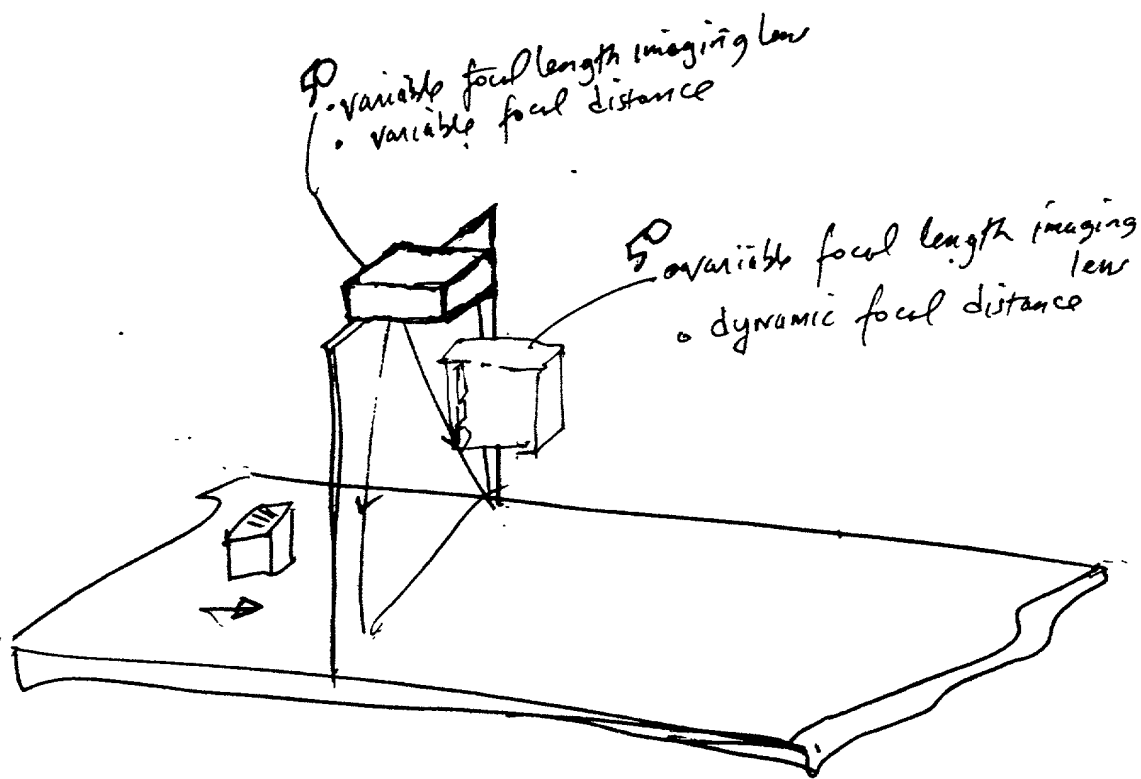


FIG. 3H

2025 4 29 9 50 AM

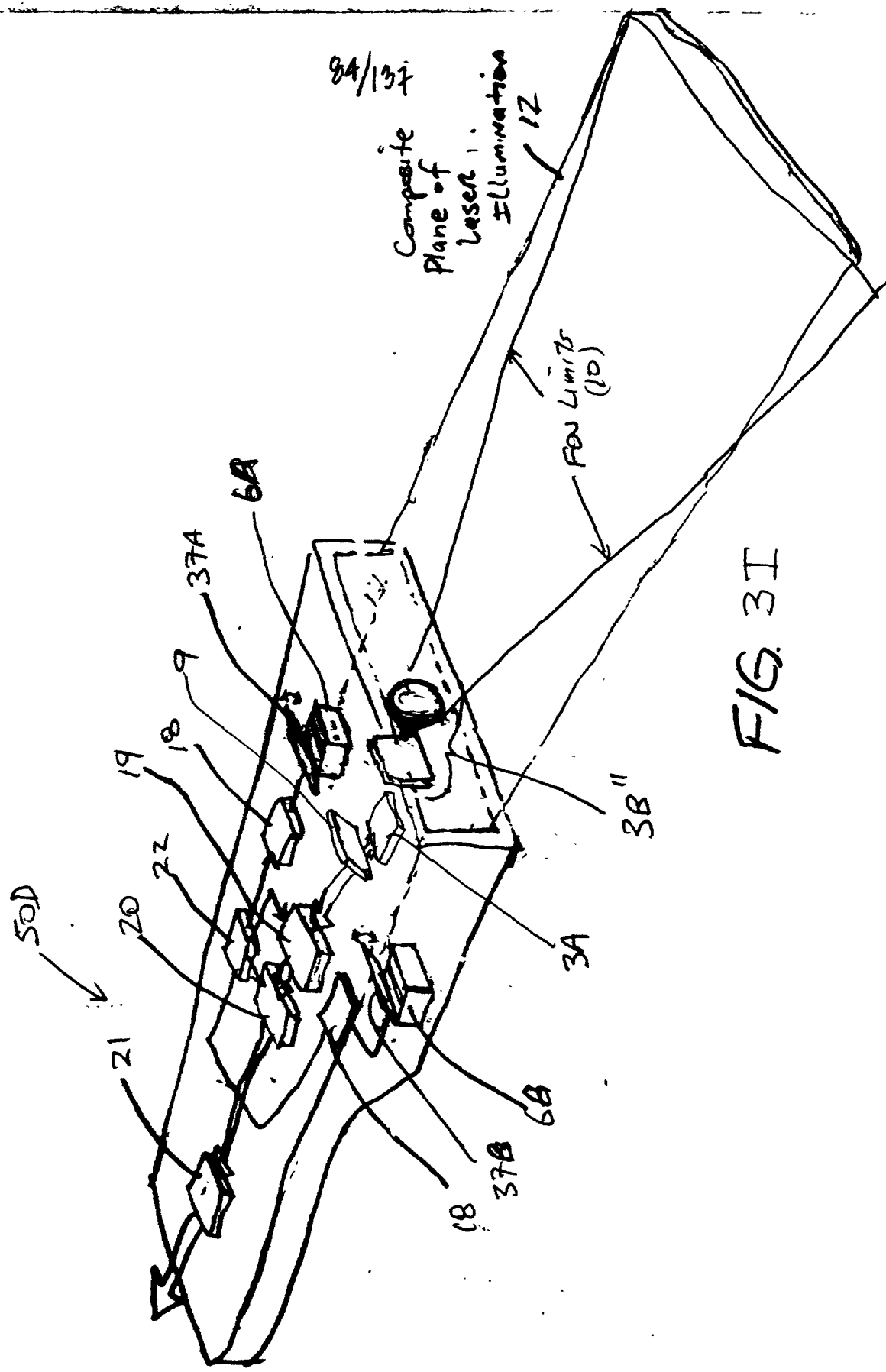


FIG. 3I

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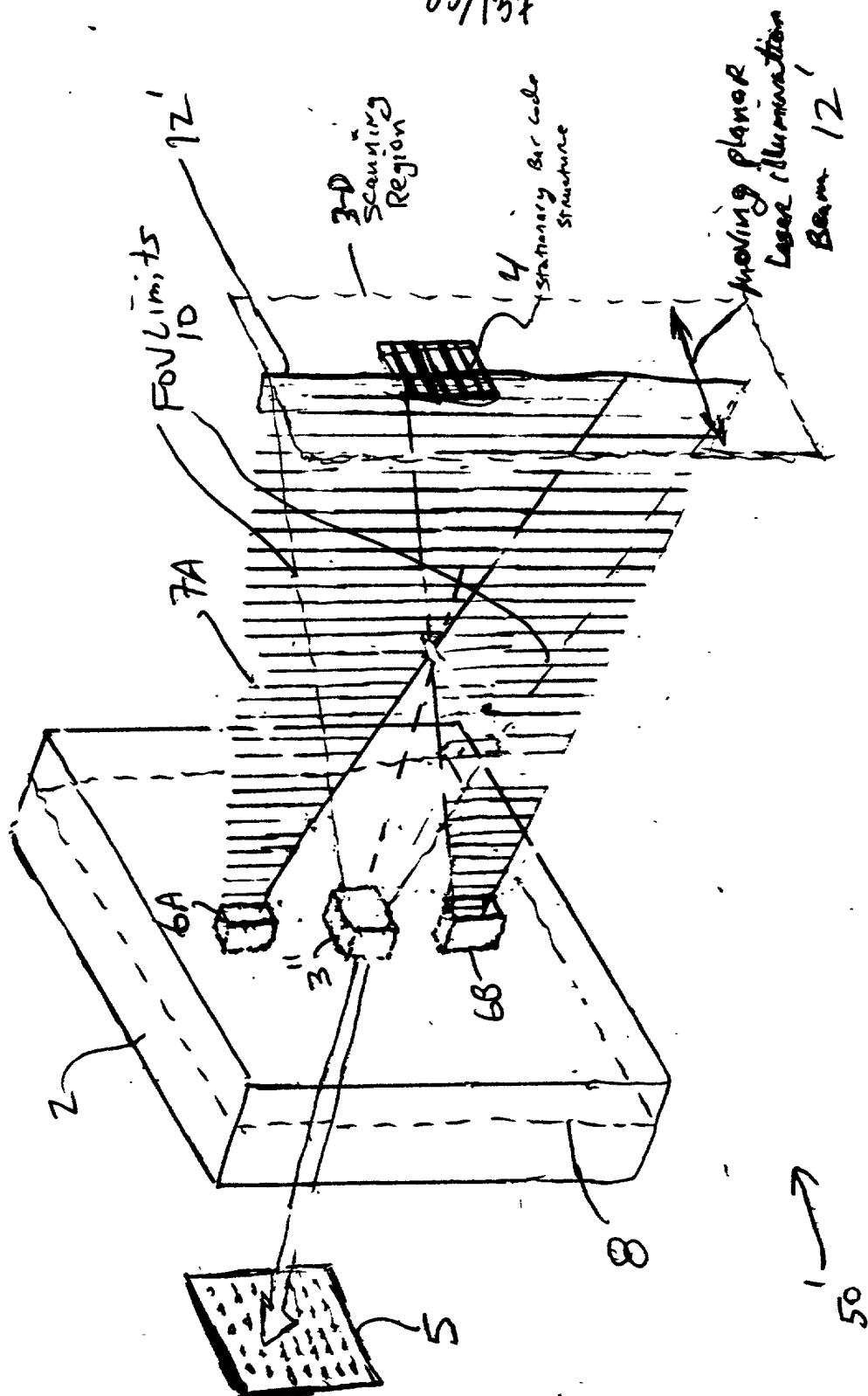


FIG. 3J1

50'

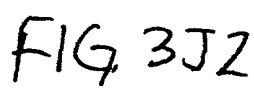


FIG. 3J2

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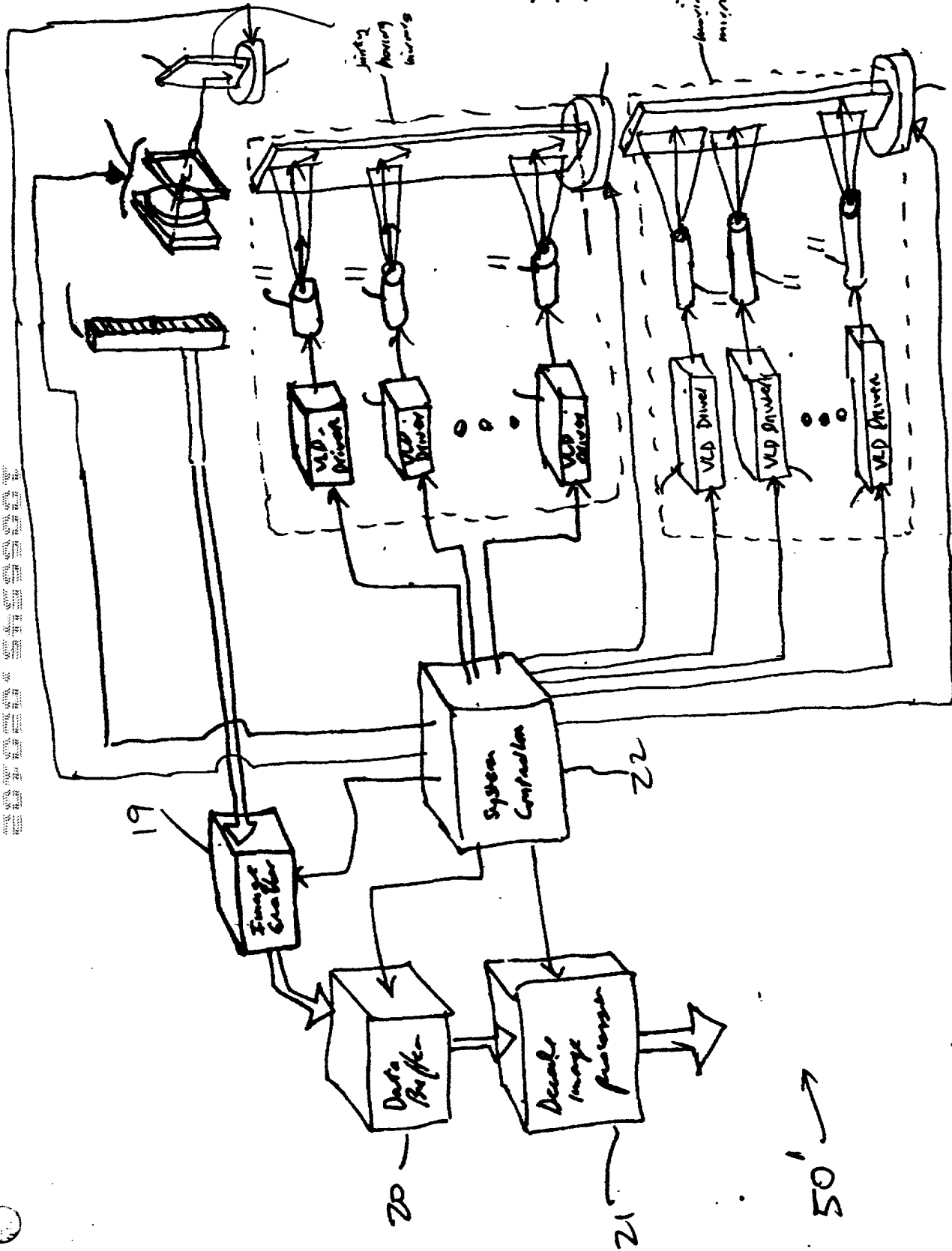


FIG. 3J3

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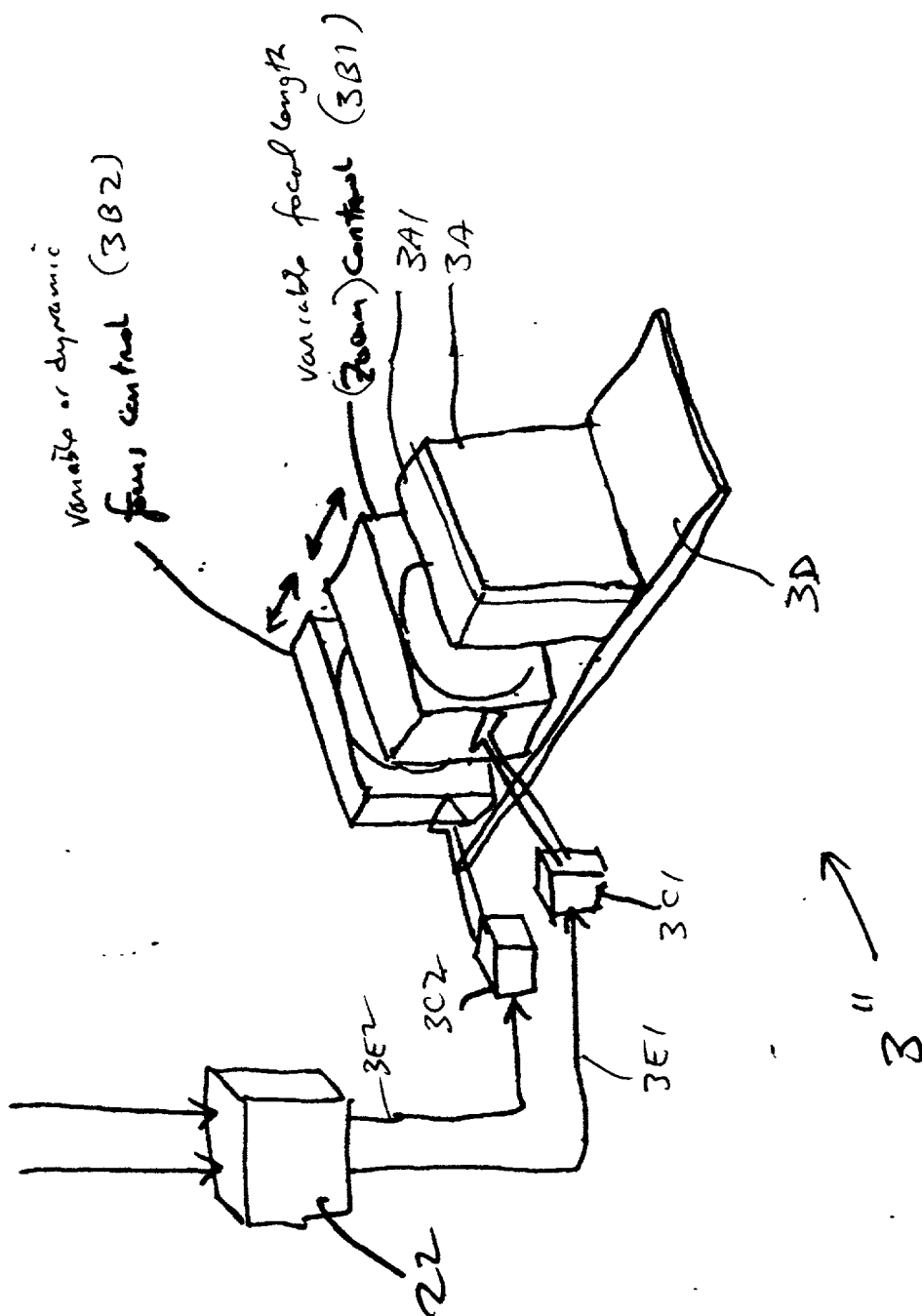


Fig. 354



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Composite

Done.

**Lesen**

illumination

12

## For Limits (10)

(01) 54000

(01)

12

33

3A

63

18-378

6A

班2

181

19

22

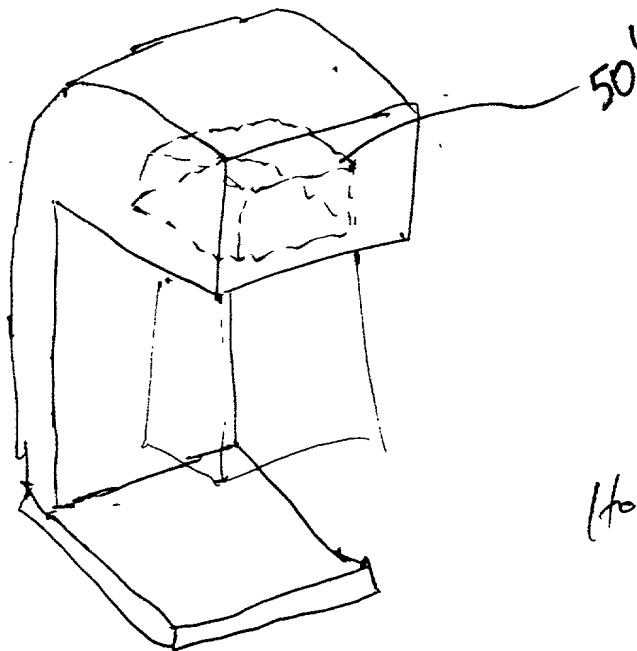
21

105

Applications:-

- hand-held scanner
- presentation scanner

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2-D  
Hold-in der  
Scanner

FIG. 3J5

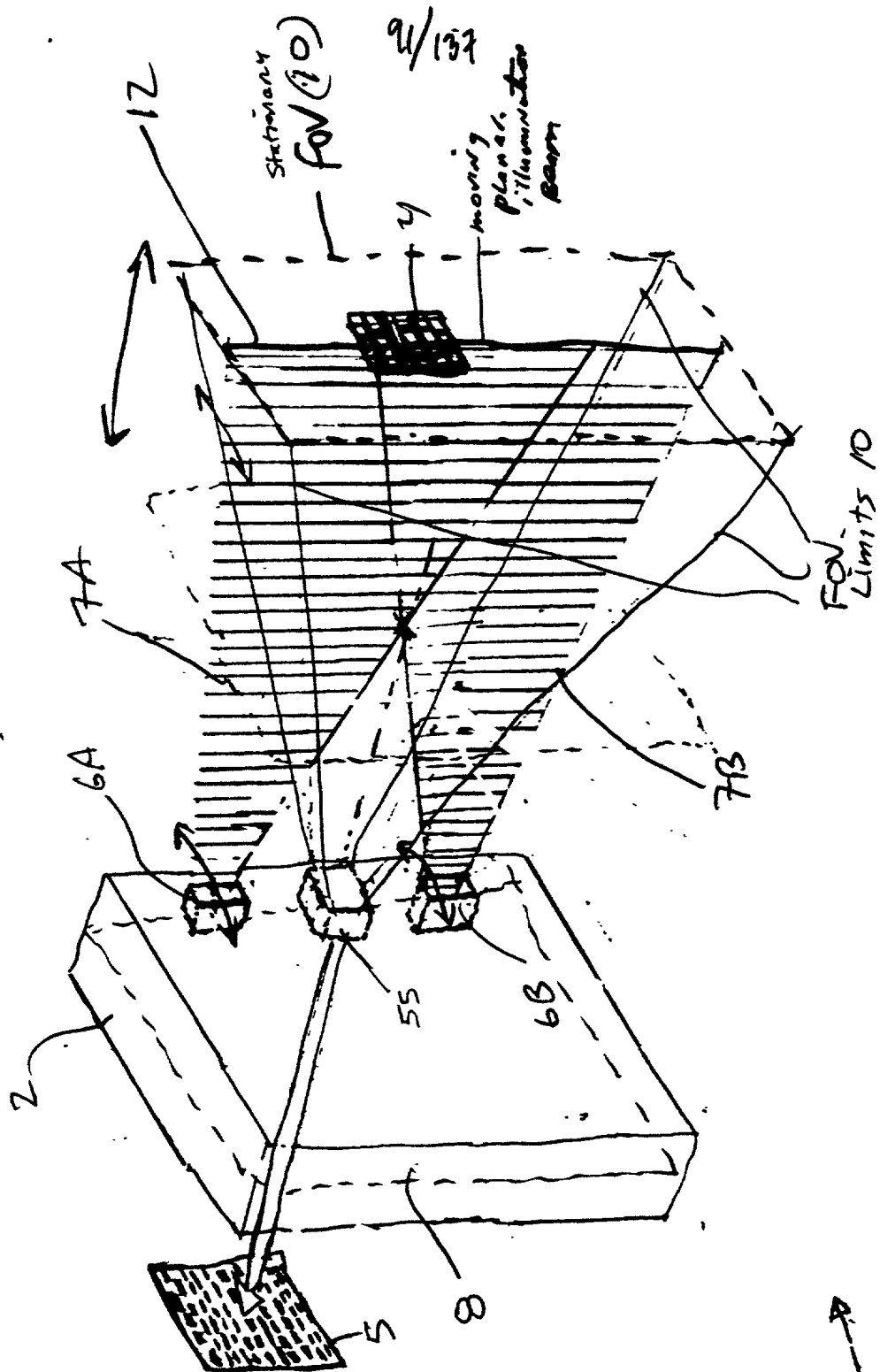


FIG 4A

60 →

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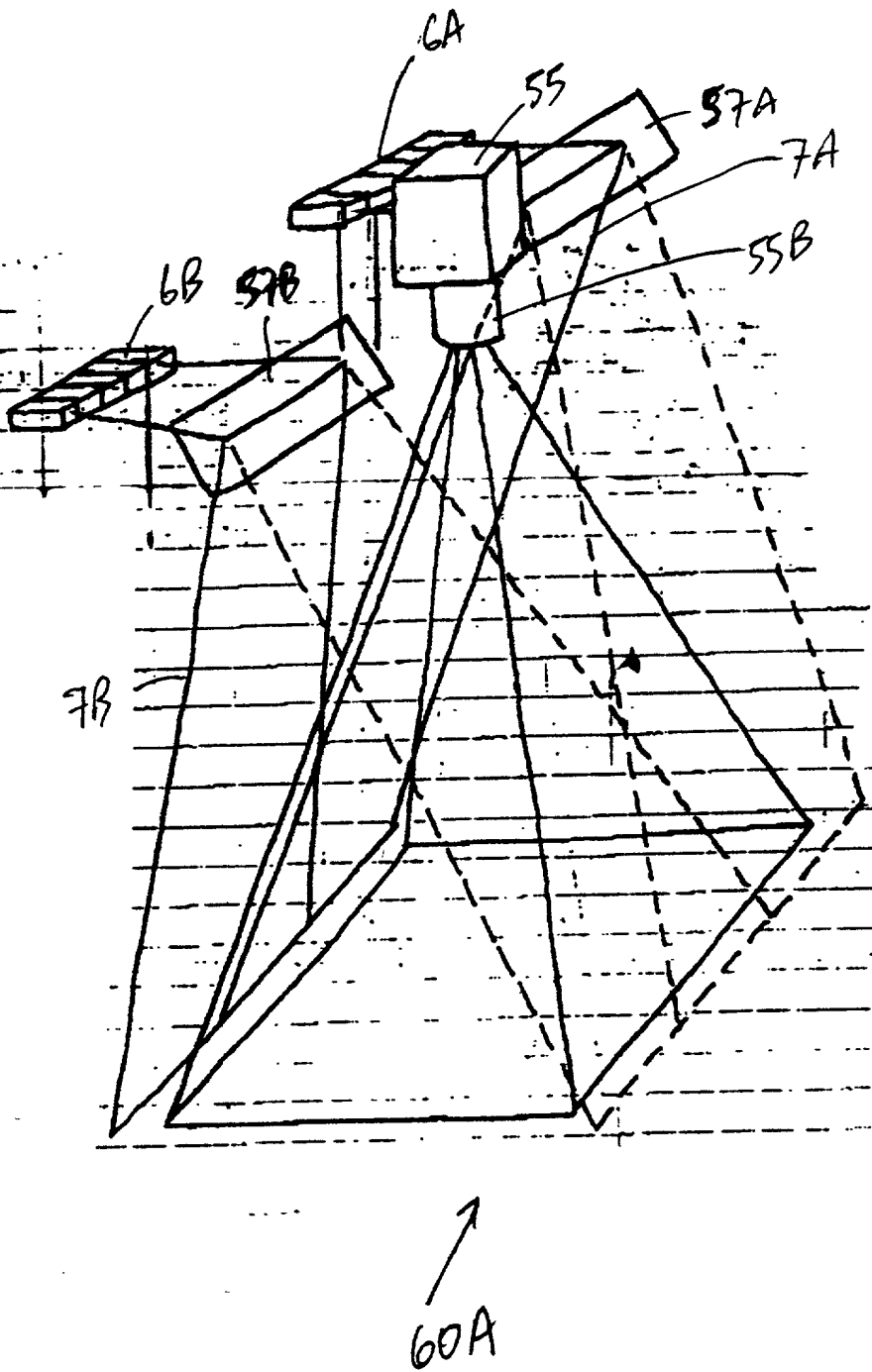


FIG. 4B1

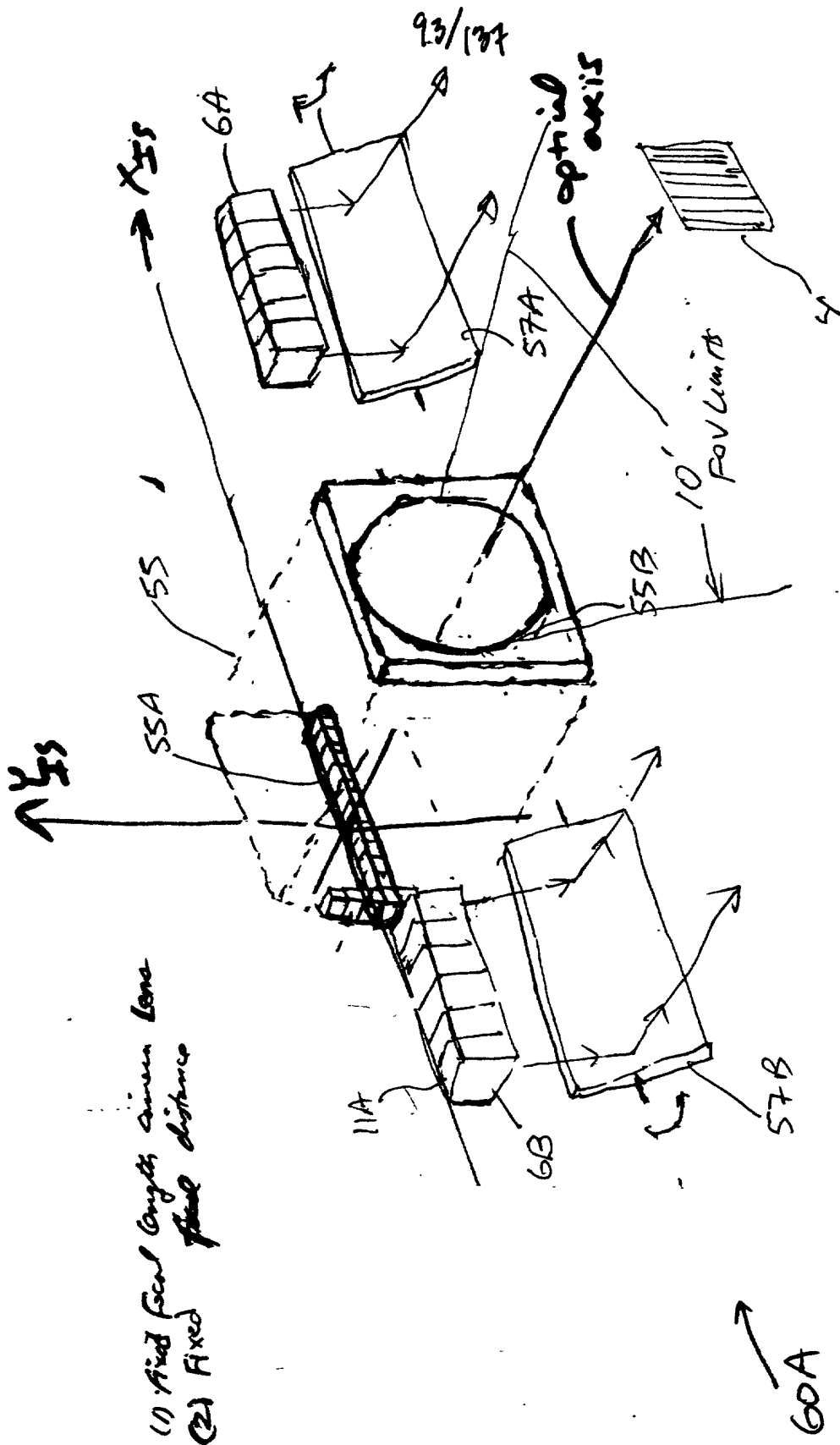


FIG. 4B Z

- (1) First focal length minus lens
- (2) Fixed focal distance

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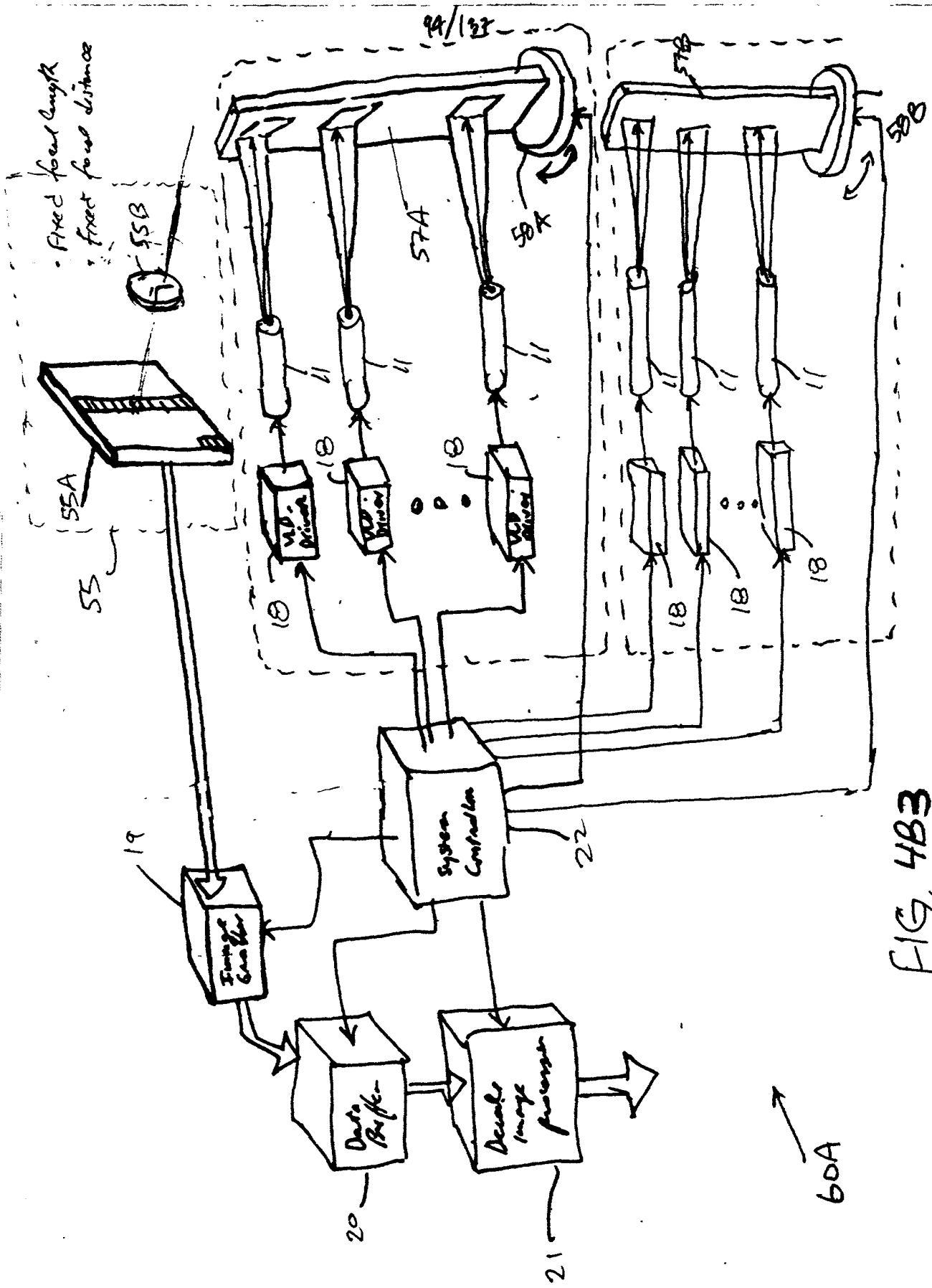


FIG. 4B3

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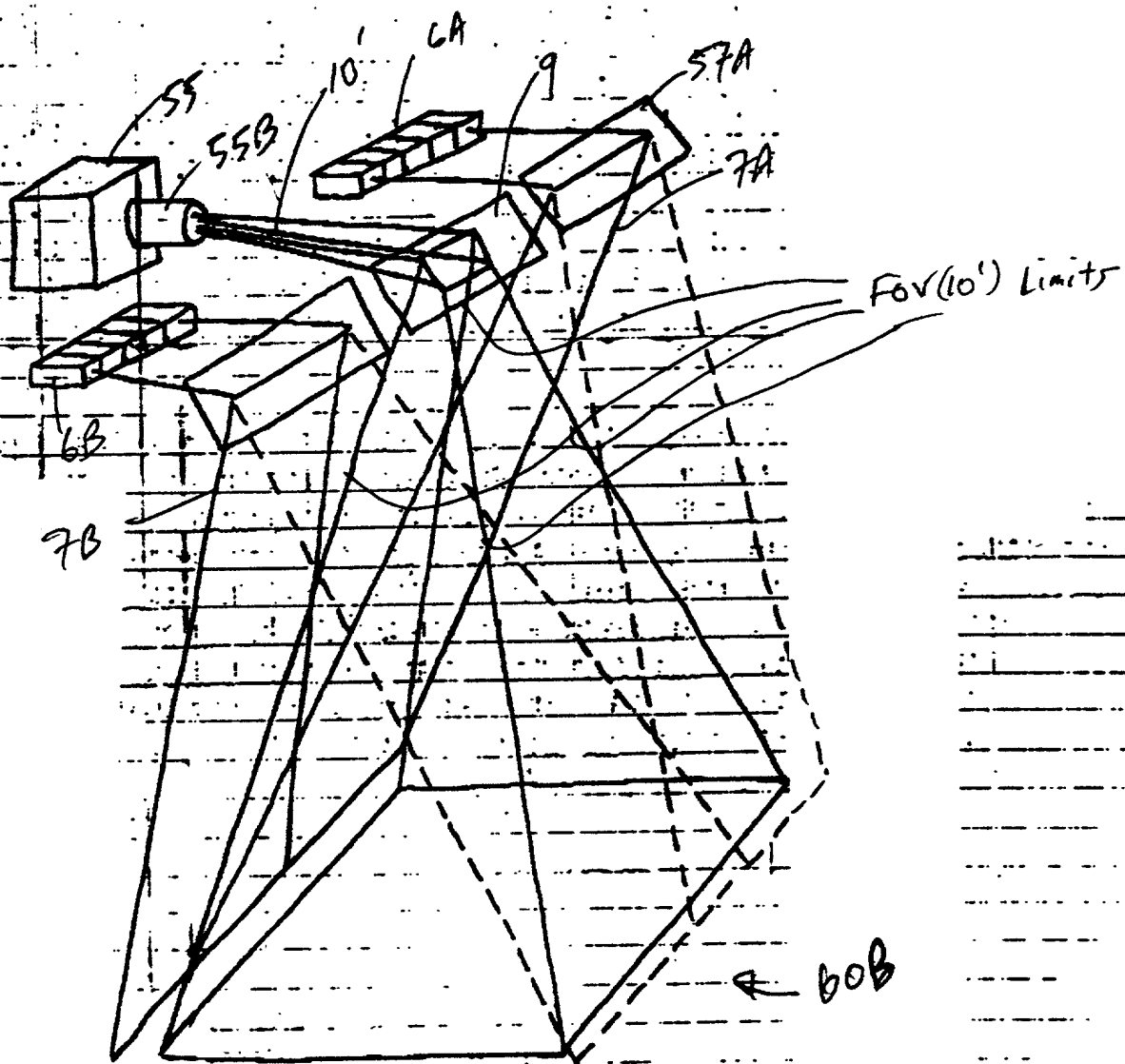


FIG. 4C-L





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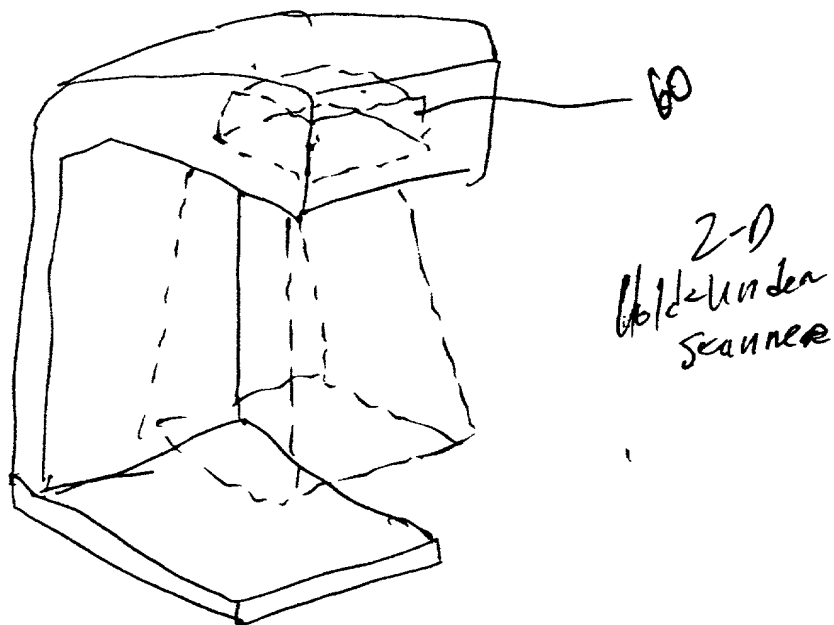
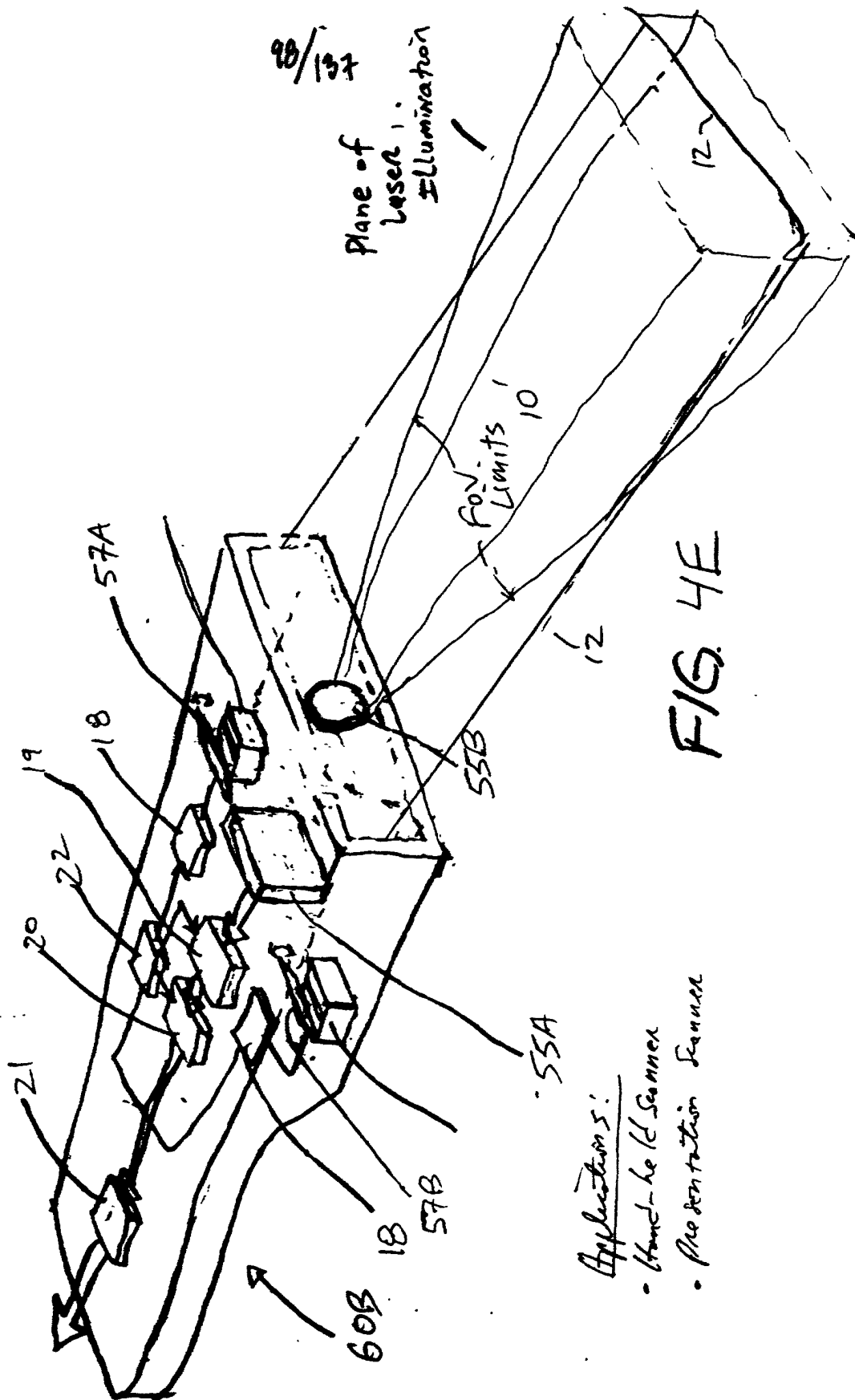


FIG. 4D



### Applications:

- Hand-held Scanner
- Presentation Scanner

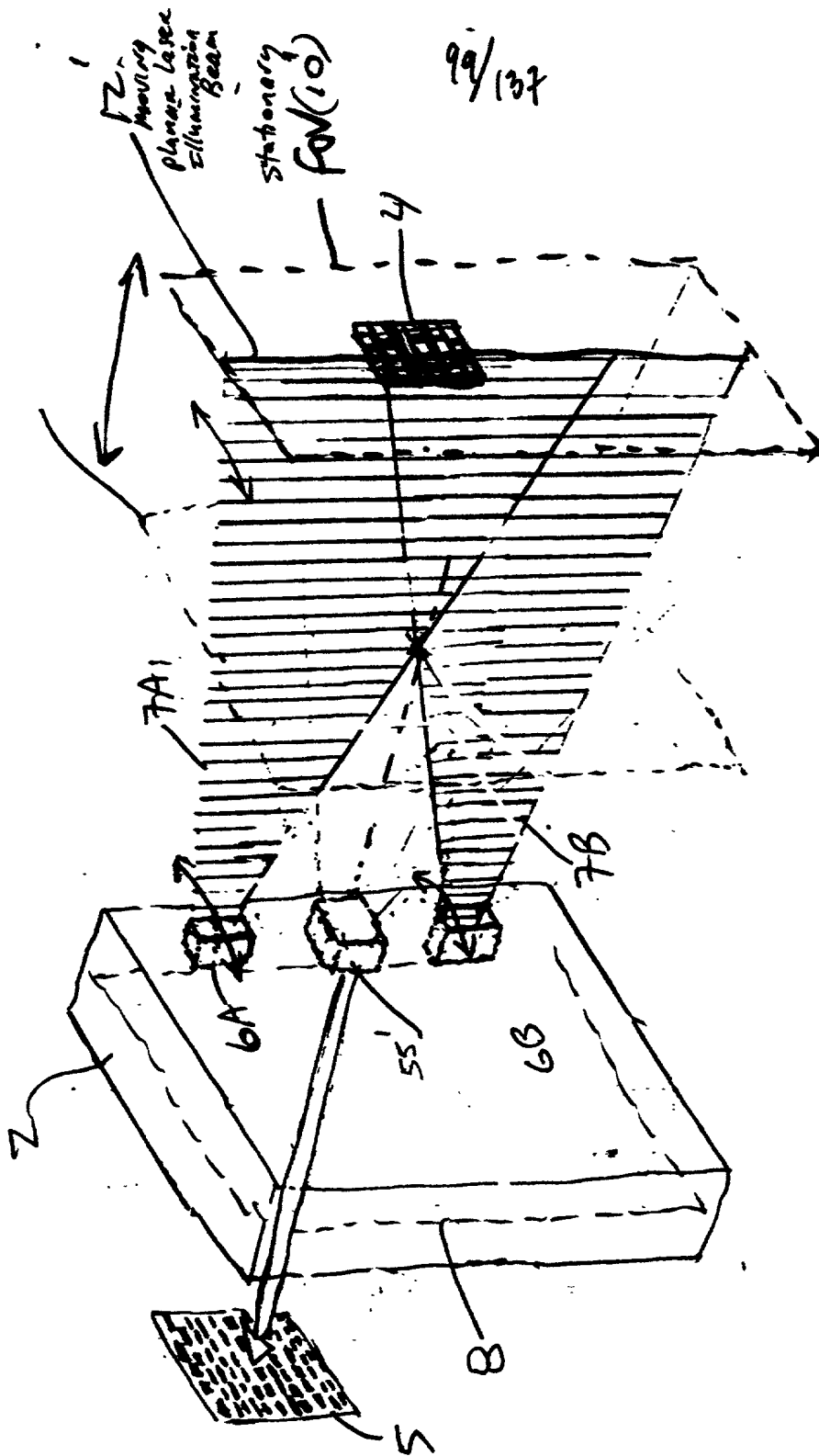


FIG 5A

70 →

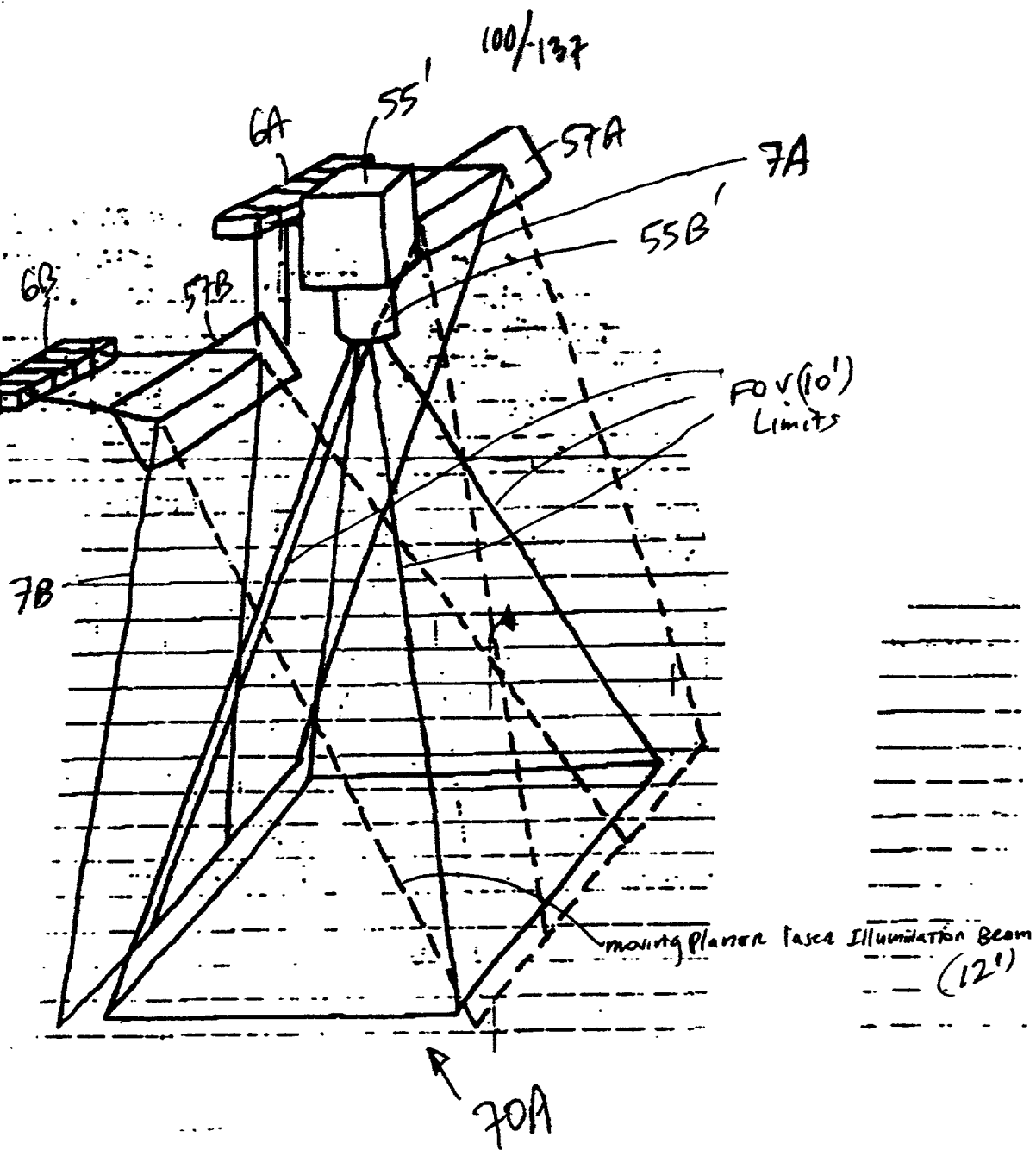


FIG 5B1

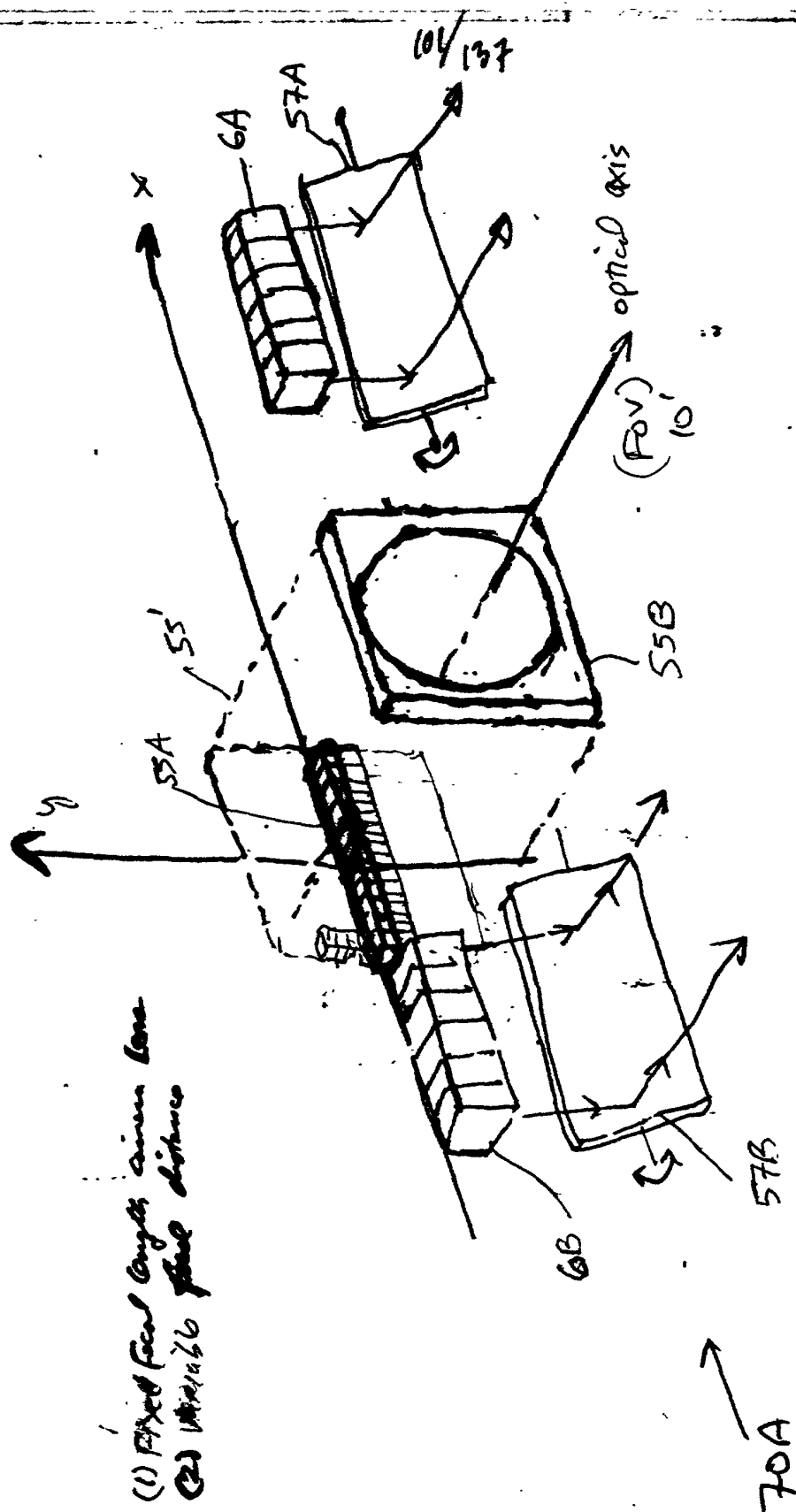


FIG. 5B2

(1) Fixed focal length camera lens  
(2) Variable focal distance

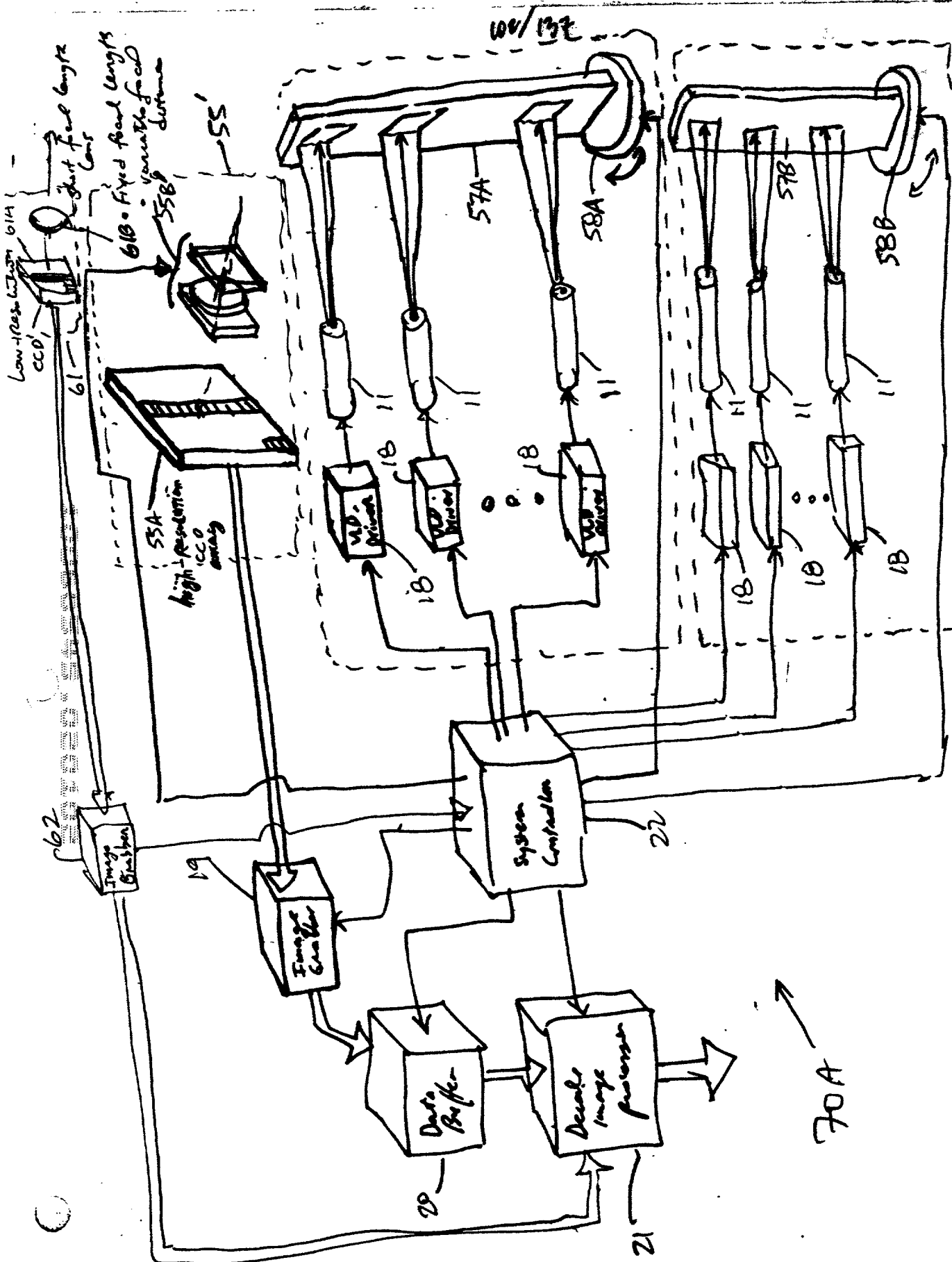
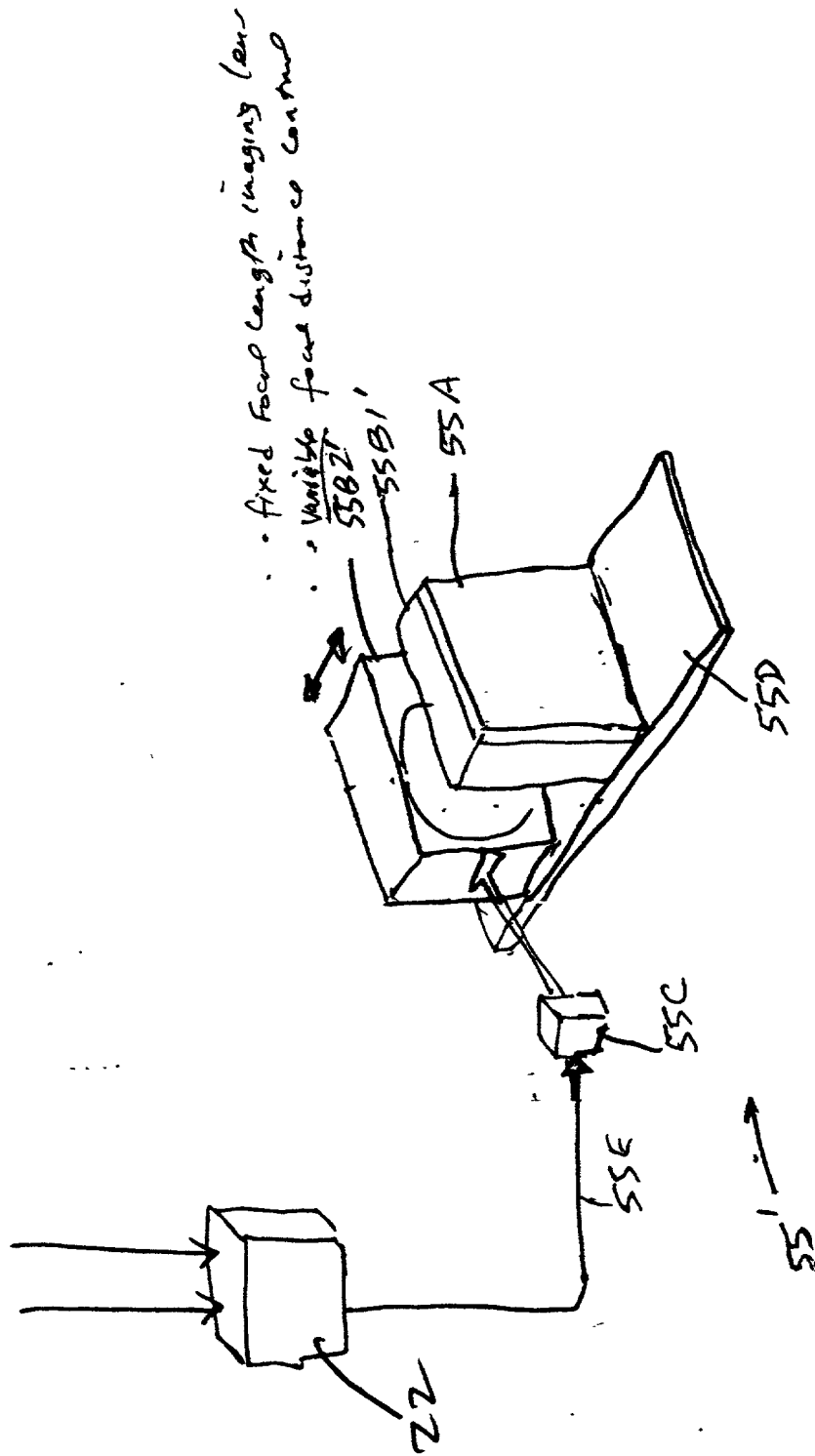


FIG. 5B3

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... fixed focal length imaging lens  
... variable focus distance control

FIG. 5B4

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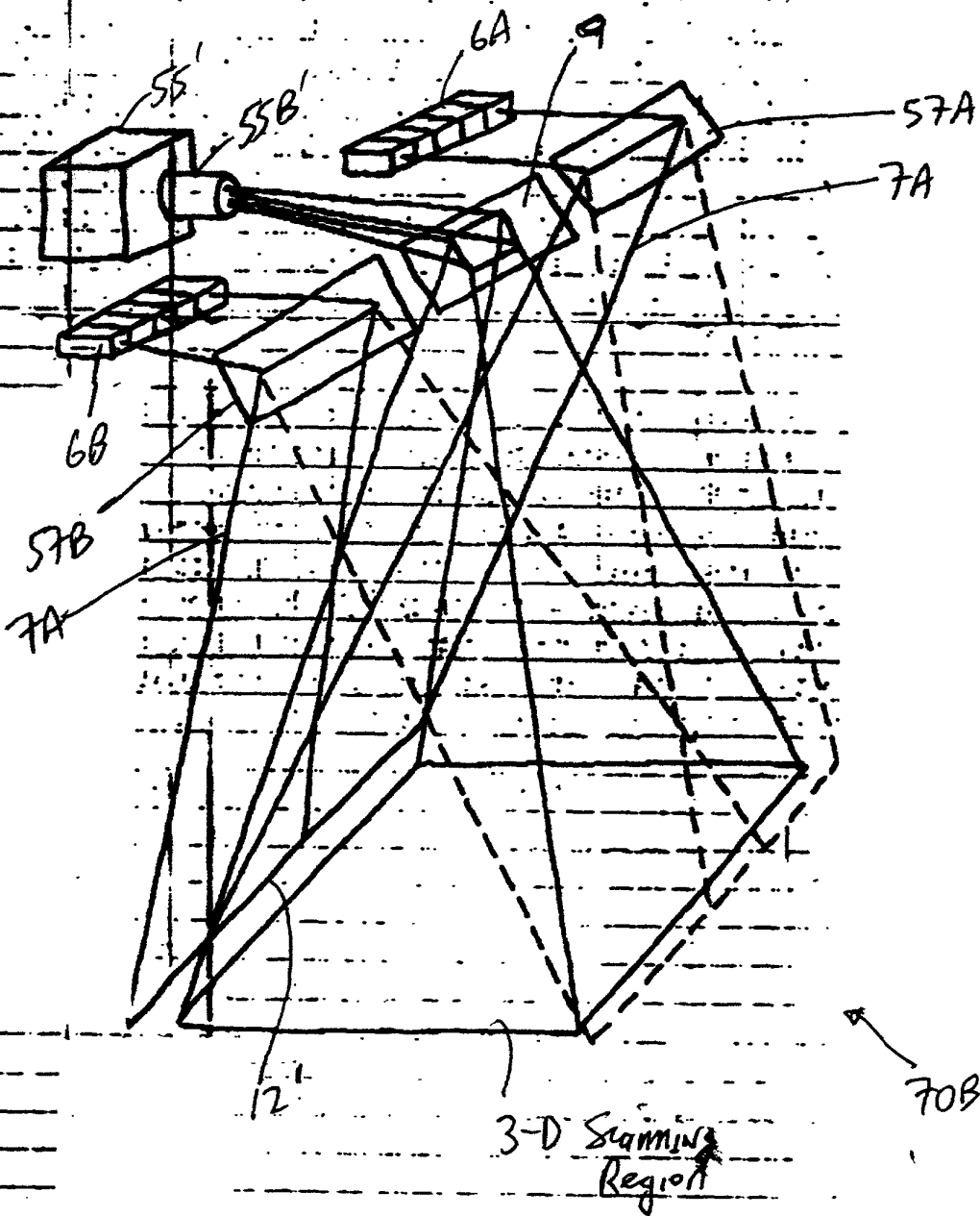


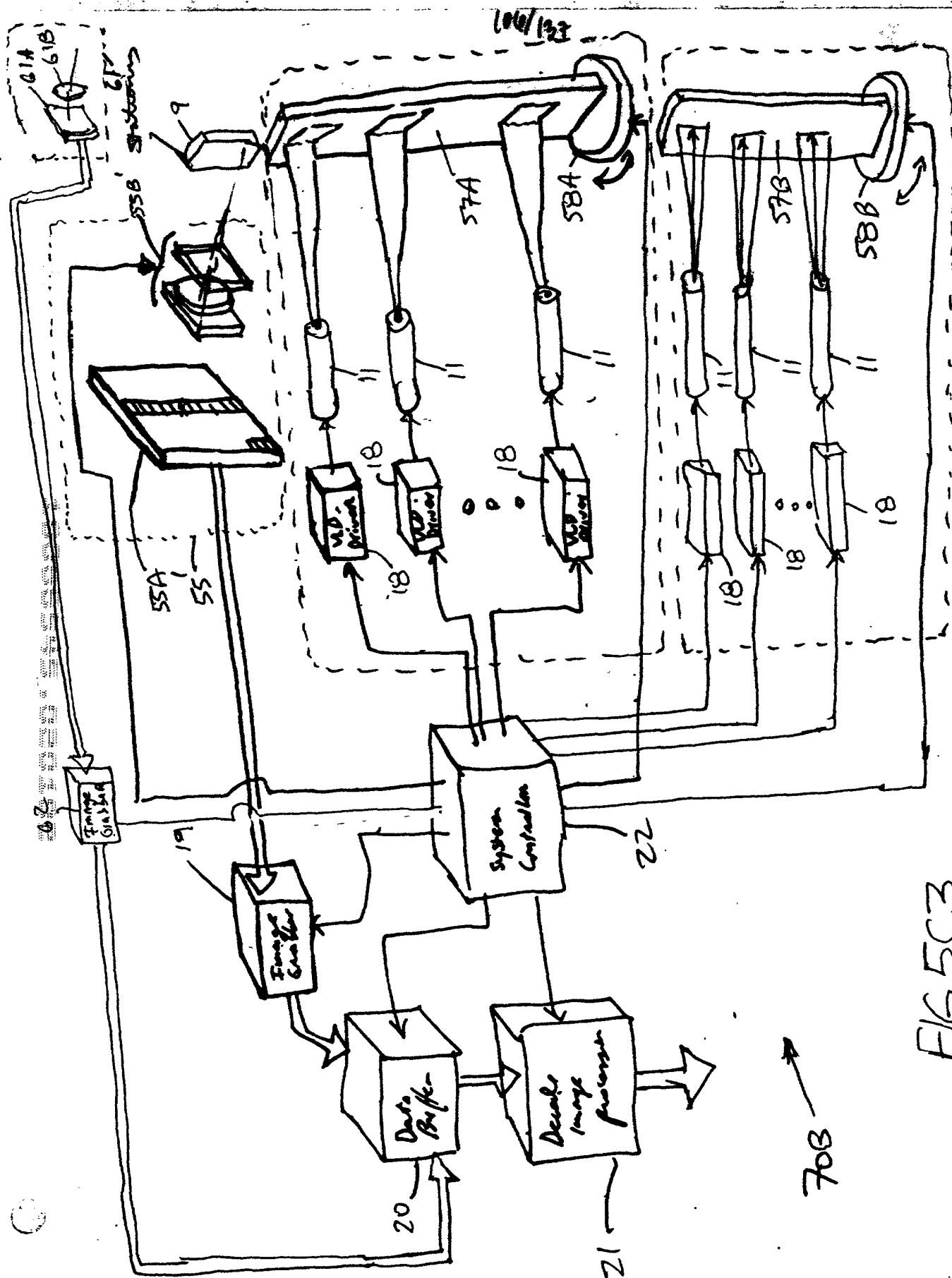
FIG. 5C1



(1) Variable focal lengths since lens  
(2) Fixed focal distance



FIG. 5C2



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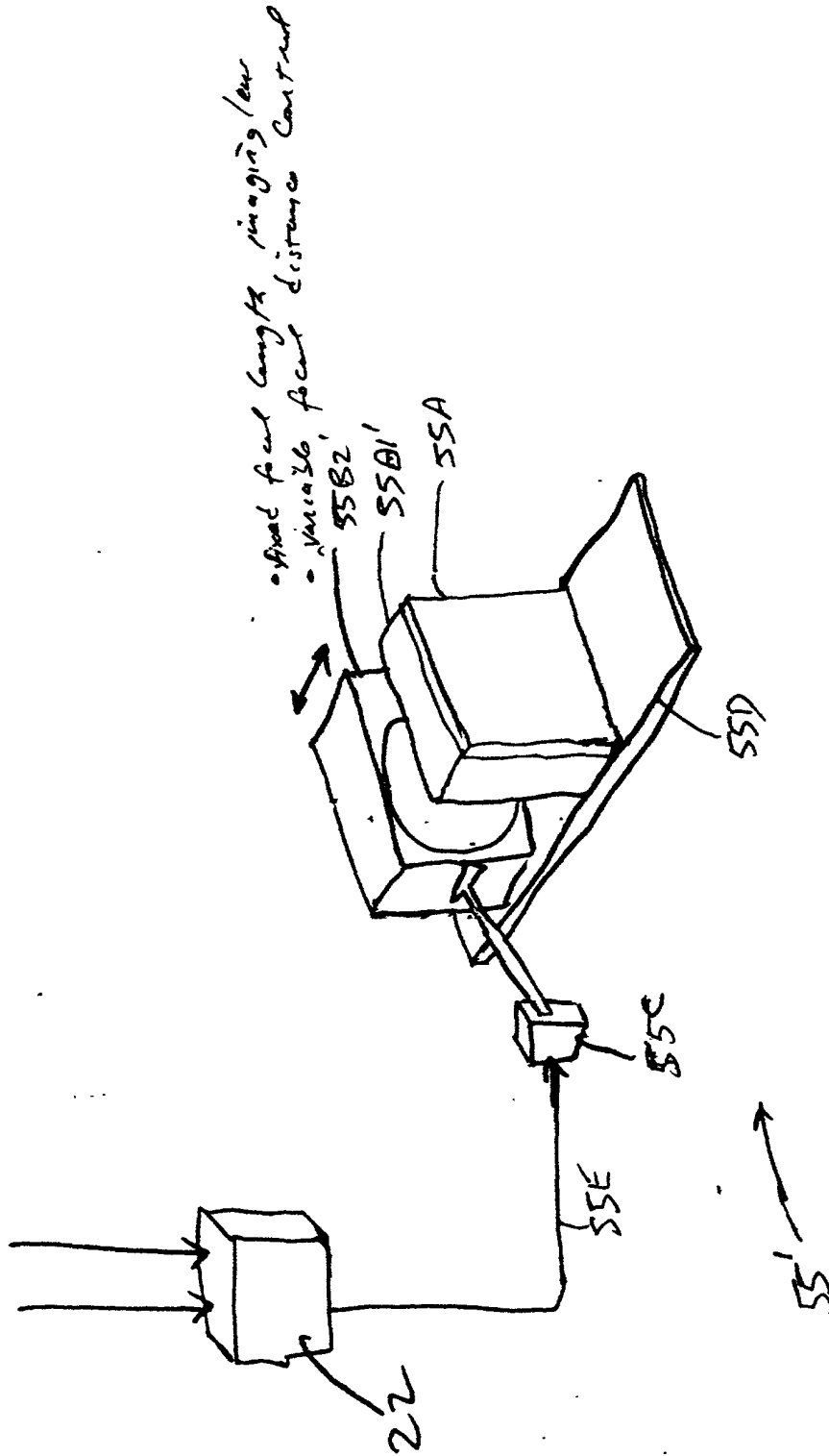


FIG. 5C4

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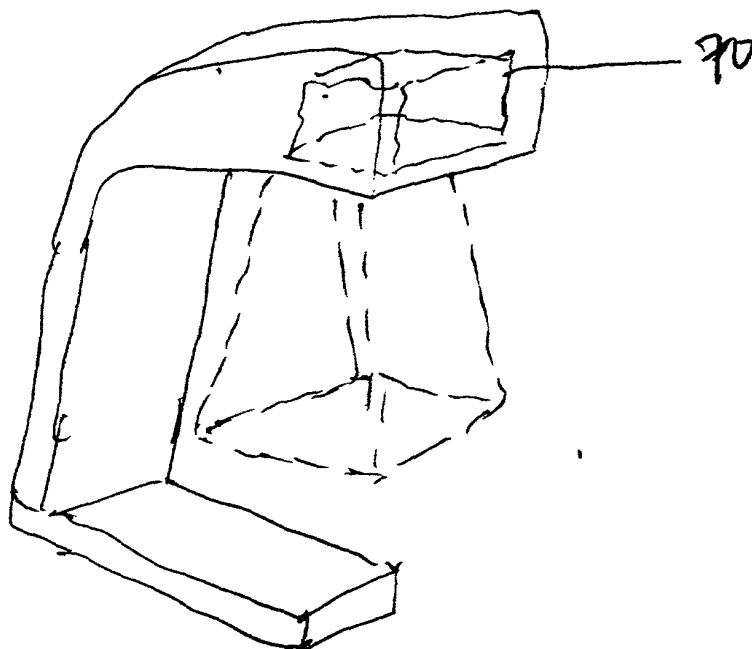


FIG 5D

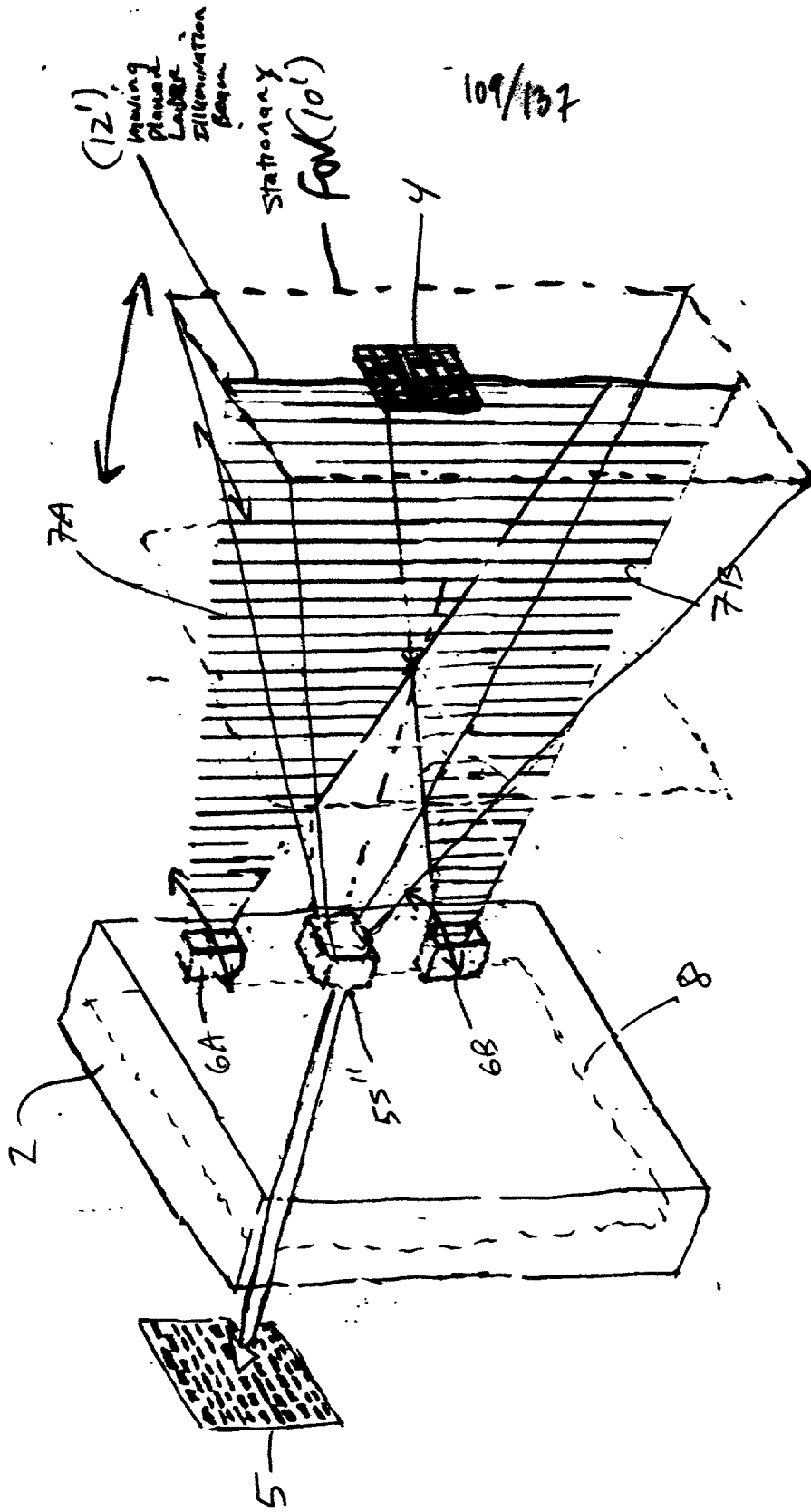


FIG. 6A

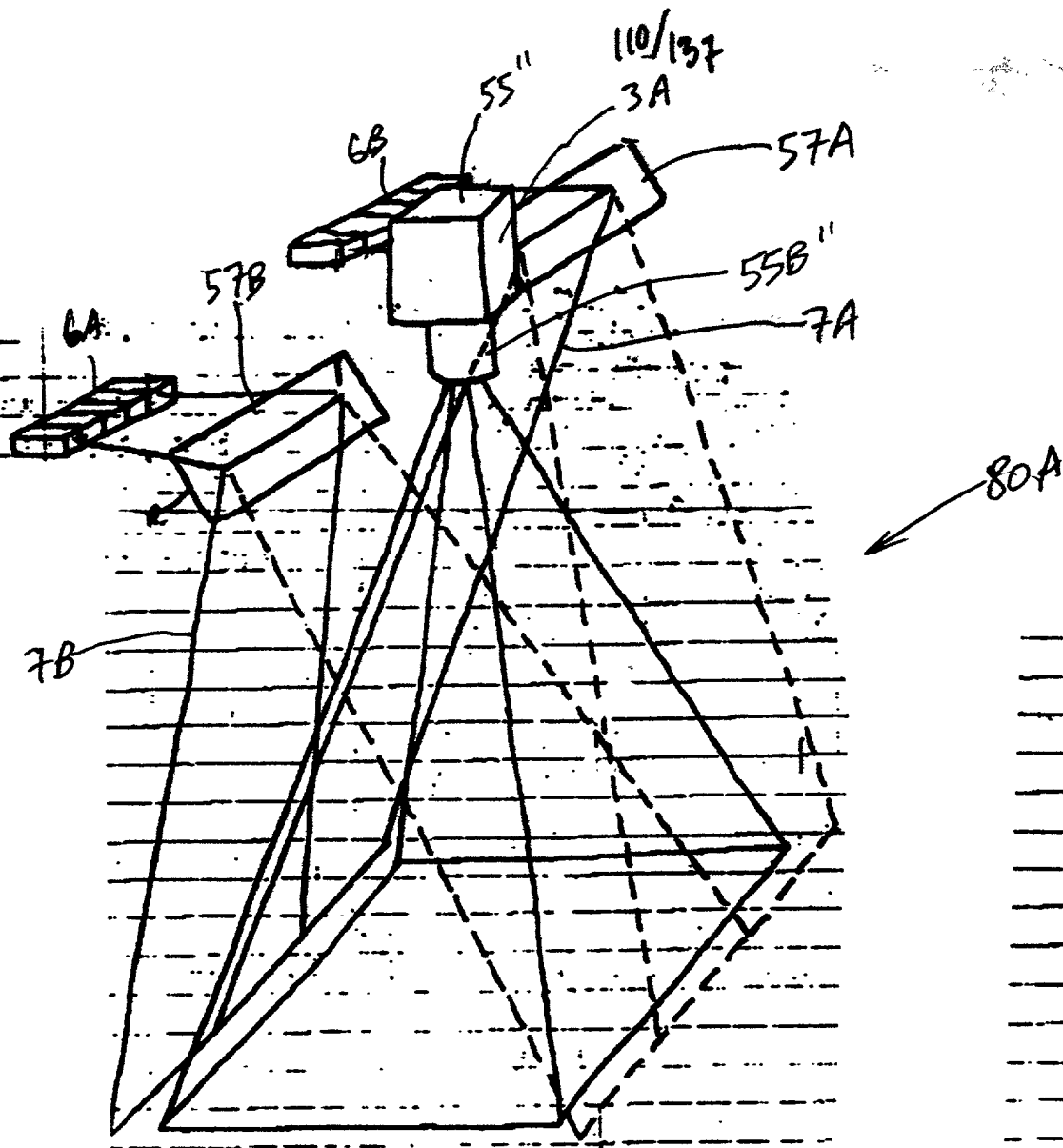


FIG. 6B1

A hand-drawn perspective diagram of a mechanical assembly. The diagram includes several labeled components and arrows indicating movement or direction:

- III/137**: A label at the top left, possibly a reference number.
- 6A**: A label pointing to a rectangular block on the left.
- 57A**: A label pointing to a rectangular block in the upper center.
- 55B'**: A label pointing to a square frame with a circular opening in the center.
- 55A**: A label pointing to a rectangular block on the left, below 6A.
- 11A**: A label pointing to a rectangular block at the bottom left.
- 6B**: A label pointing to a rectangular block at the bottom center.
- 57B**: A label pointing to a rectangular block on the right.

Arrows indicate various directions and movements:

- A curved arrow at the top right indicates a rotational movement.
- A straight arrow points from the top right towards the center.
- A straight arrow points from the bottom right towards the center.
- A curved arrow at the bottom right indicates a rotational movement.
- A straight arrow points from the bottom right towards the top right.

30A

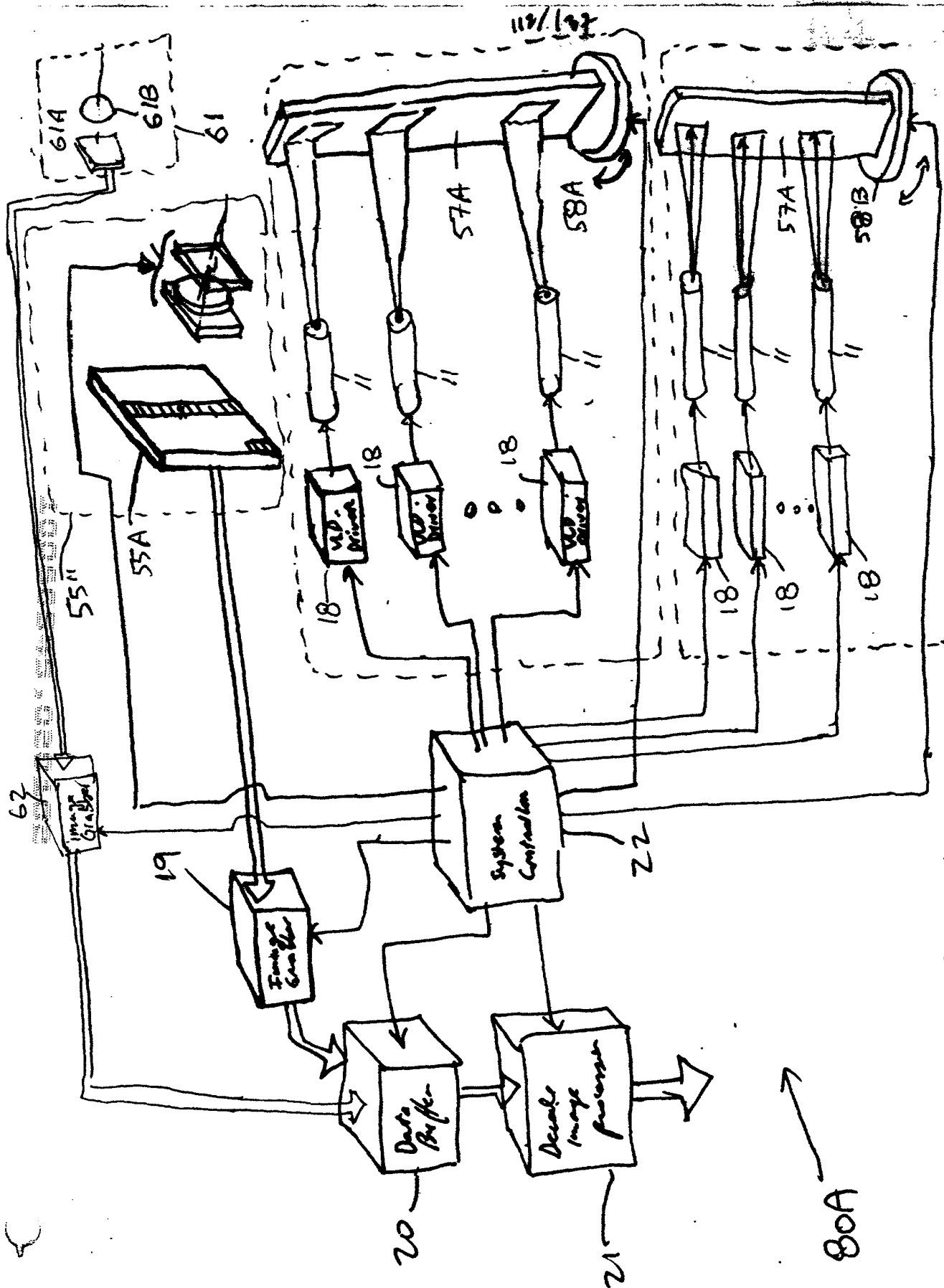


FIG. 6B3



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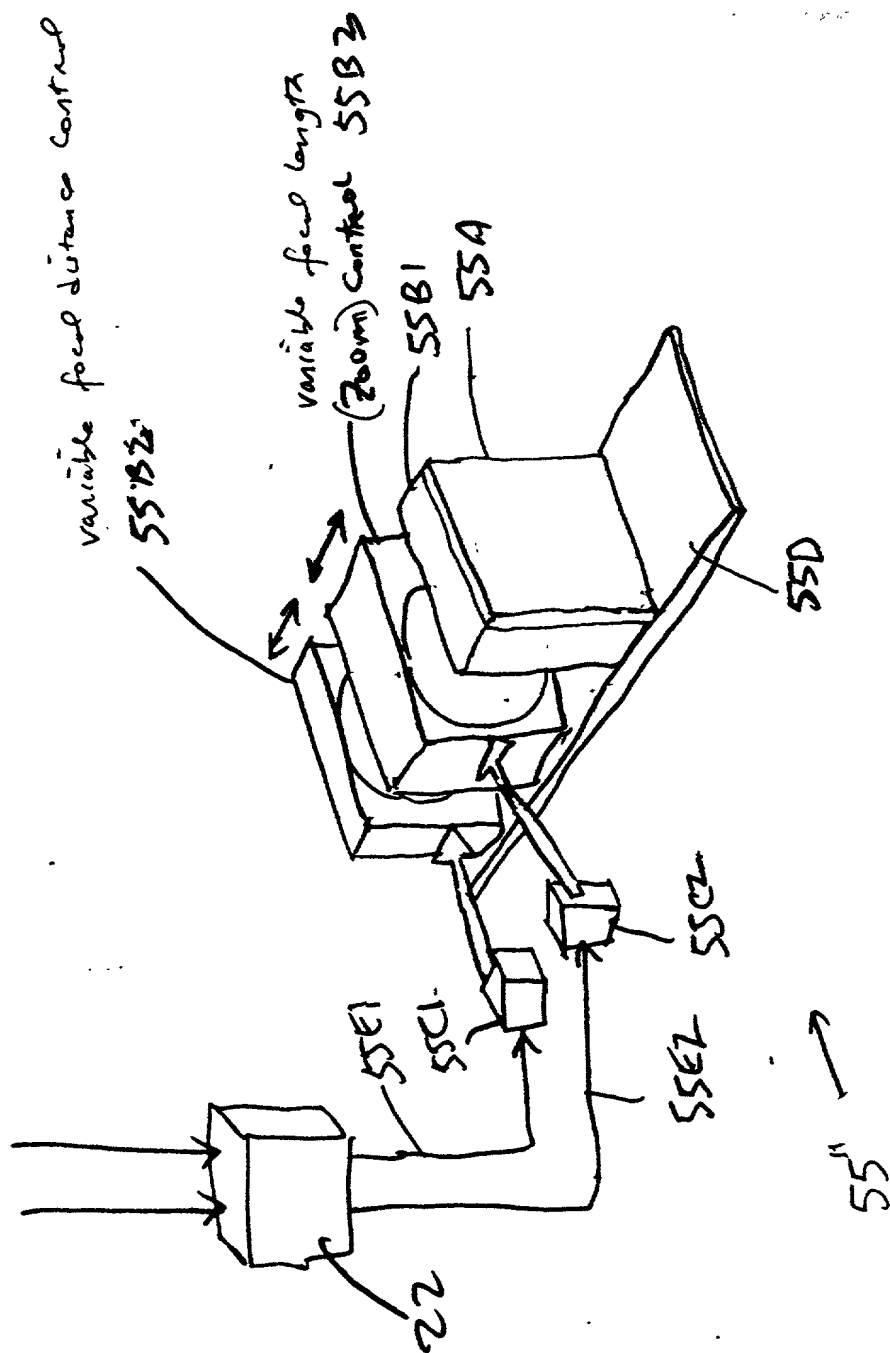


FIG. 6B4

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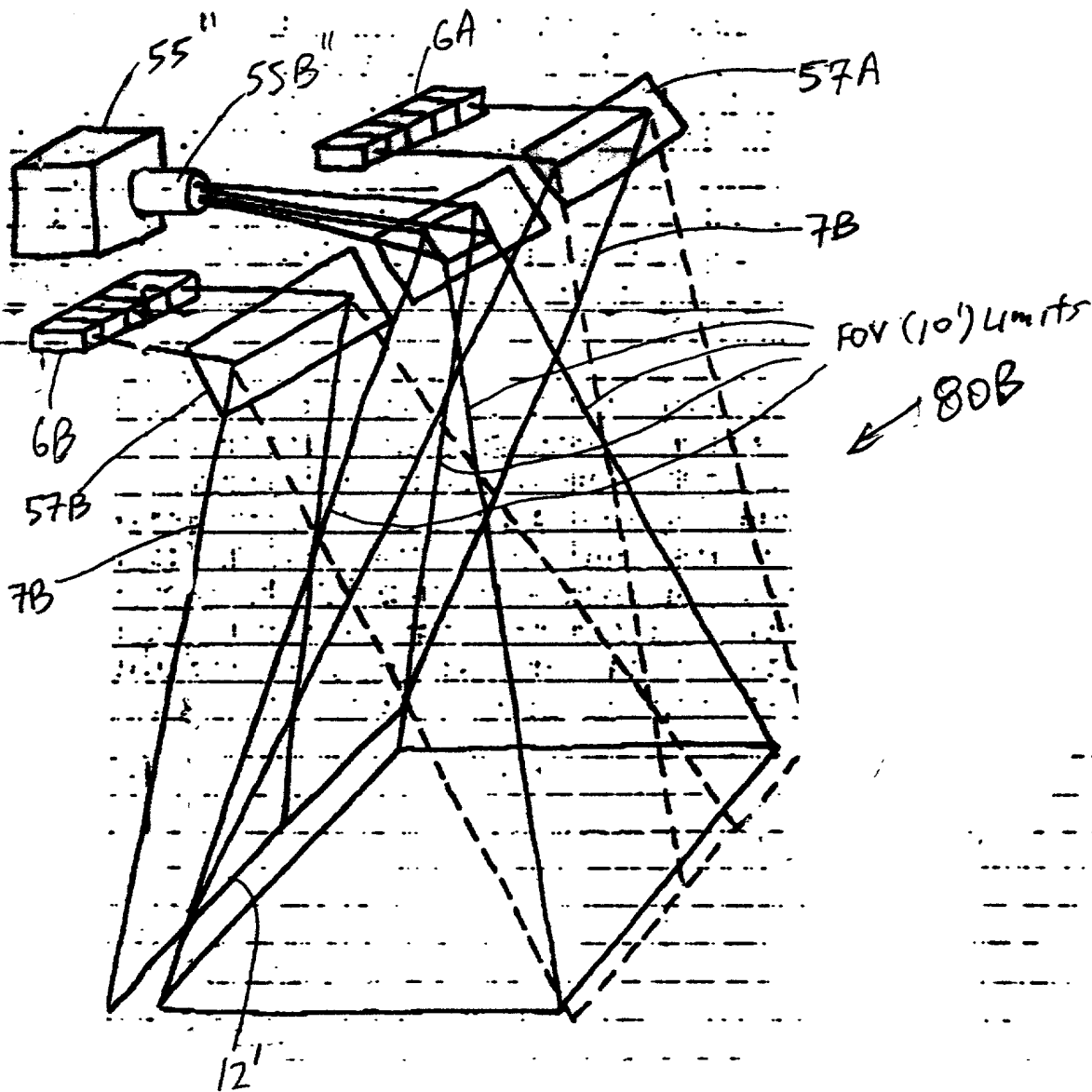


FIG. 6C1

[illegible]

FIG. 6C2

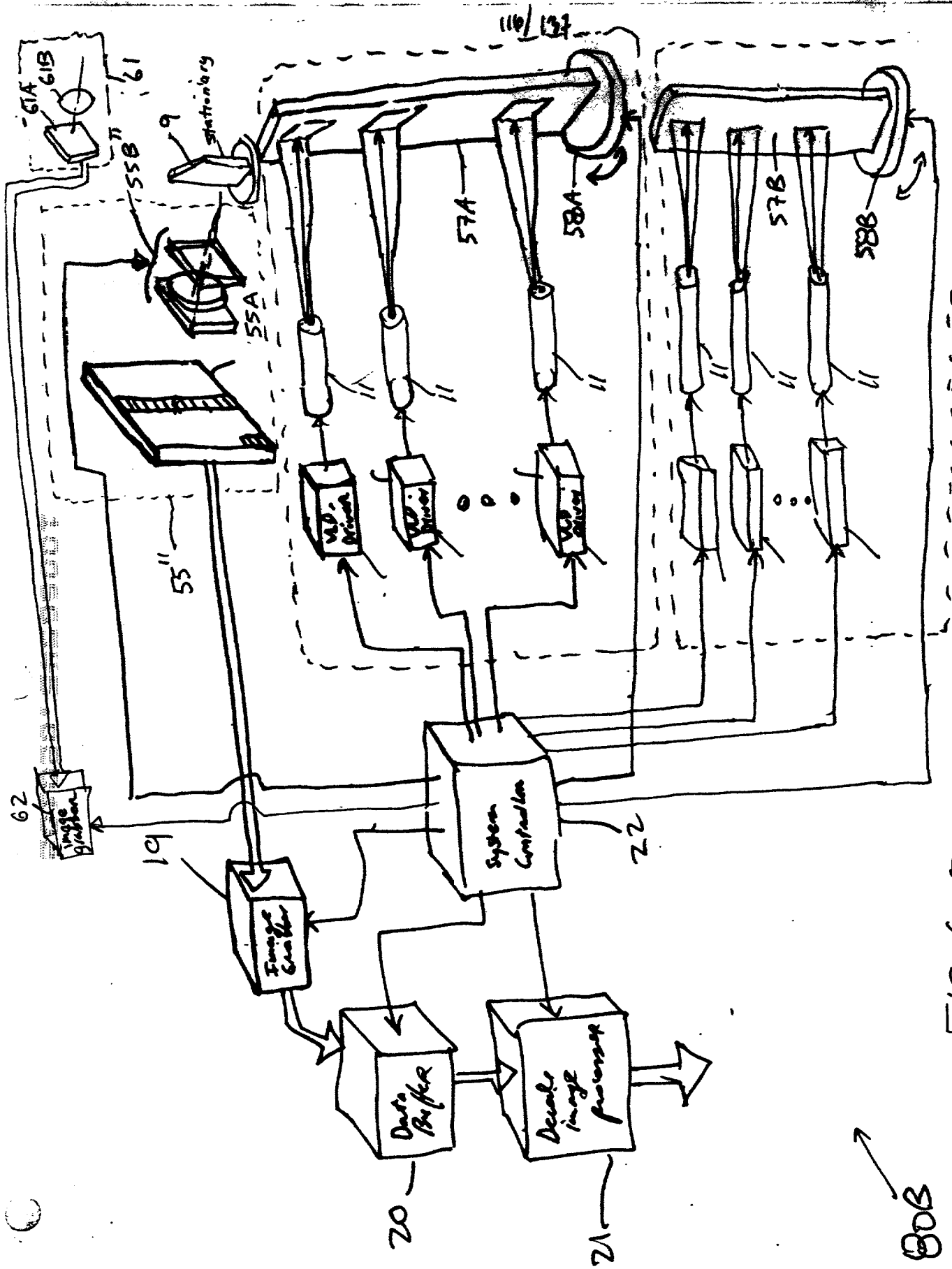


FIG. 6C3

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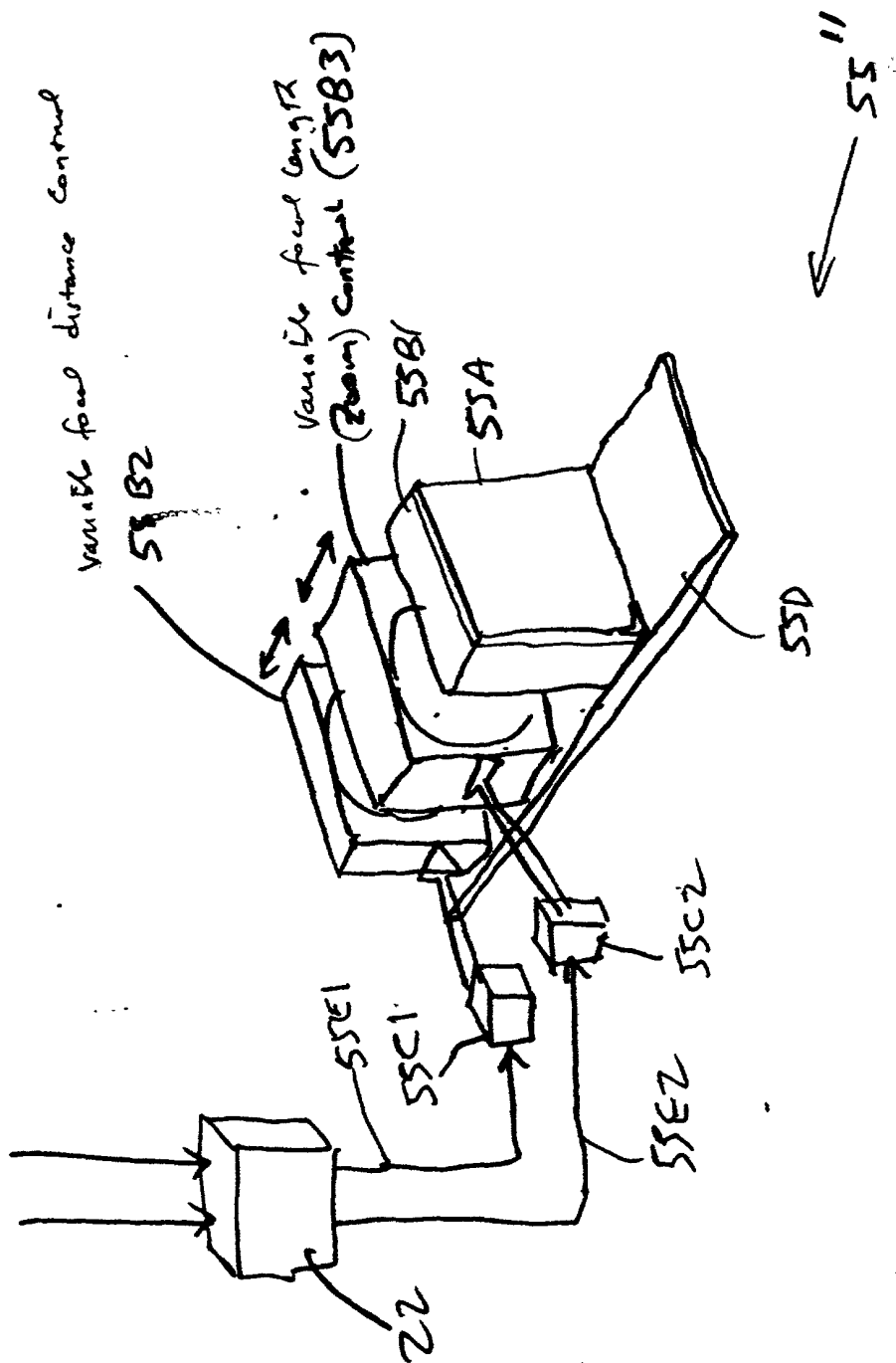


FIG. 6C4

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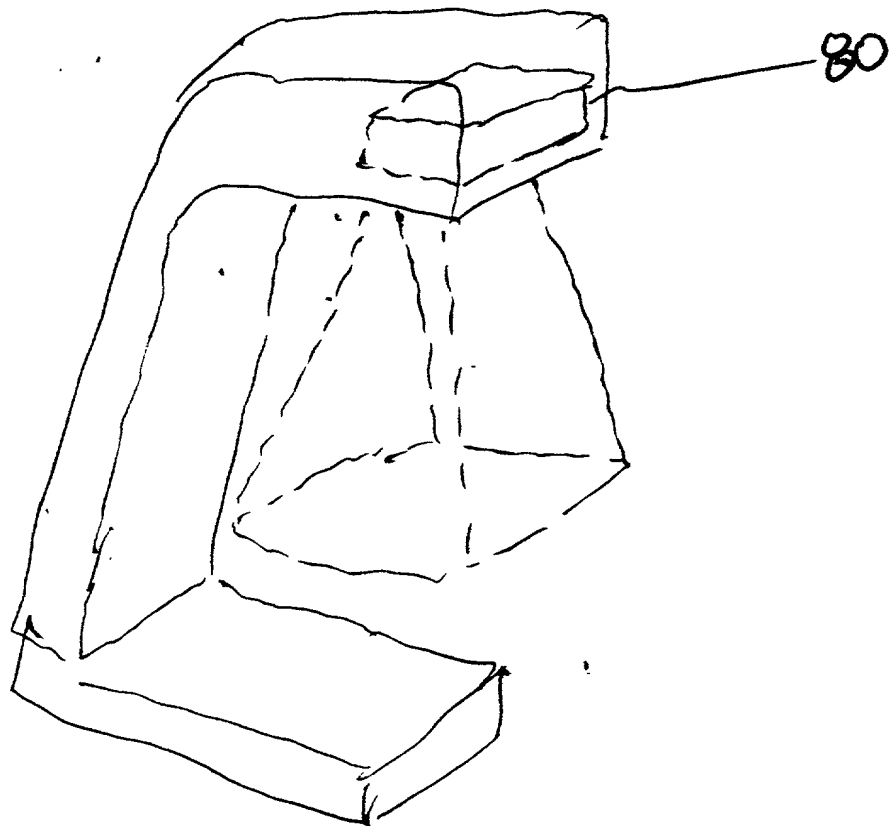


FIG. 6D

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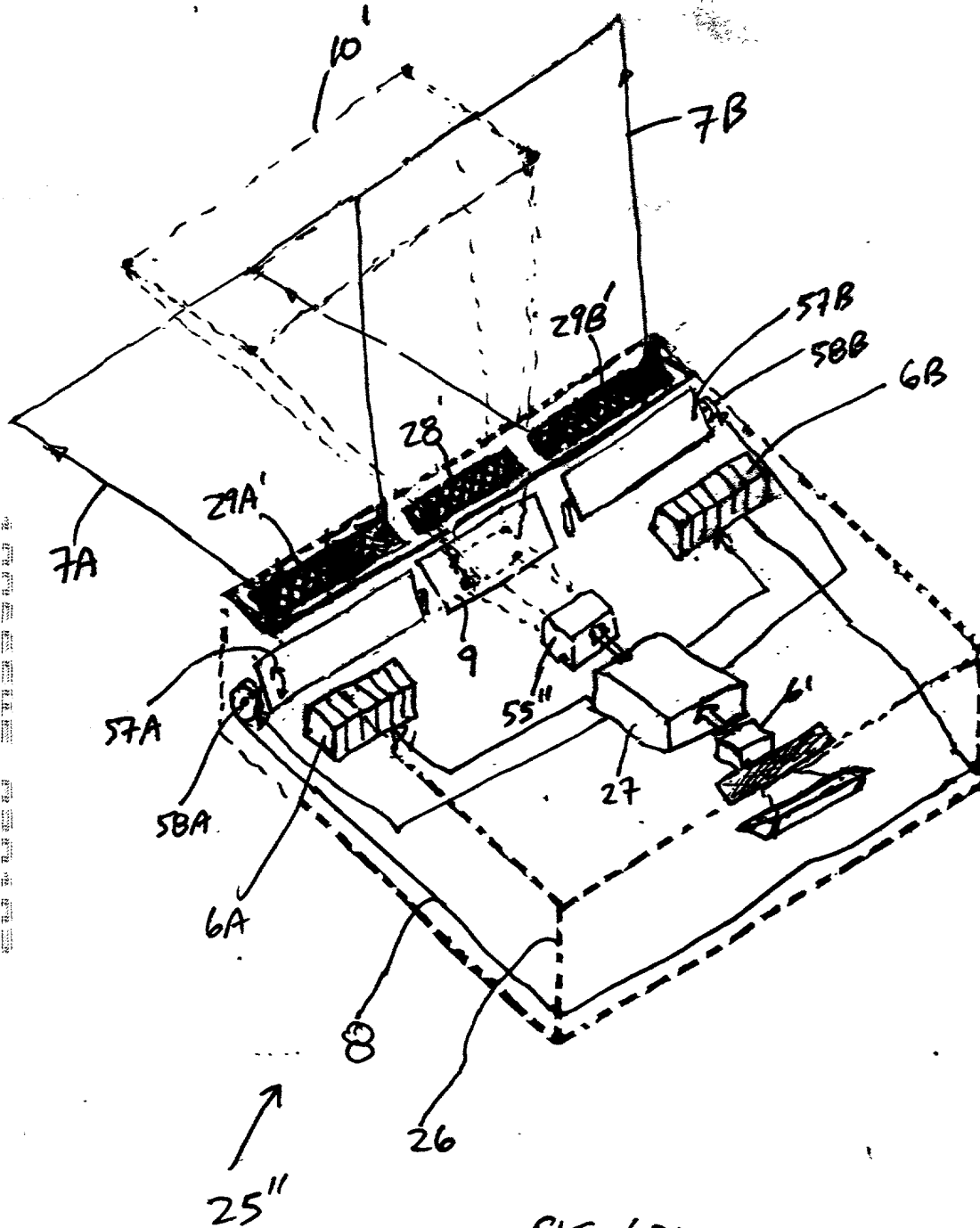


FIG. 6D1

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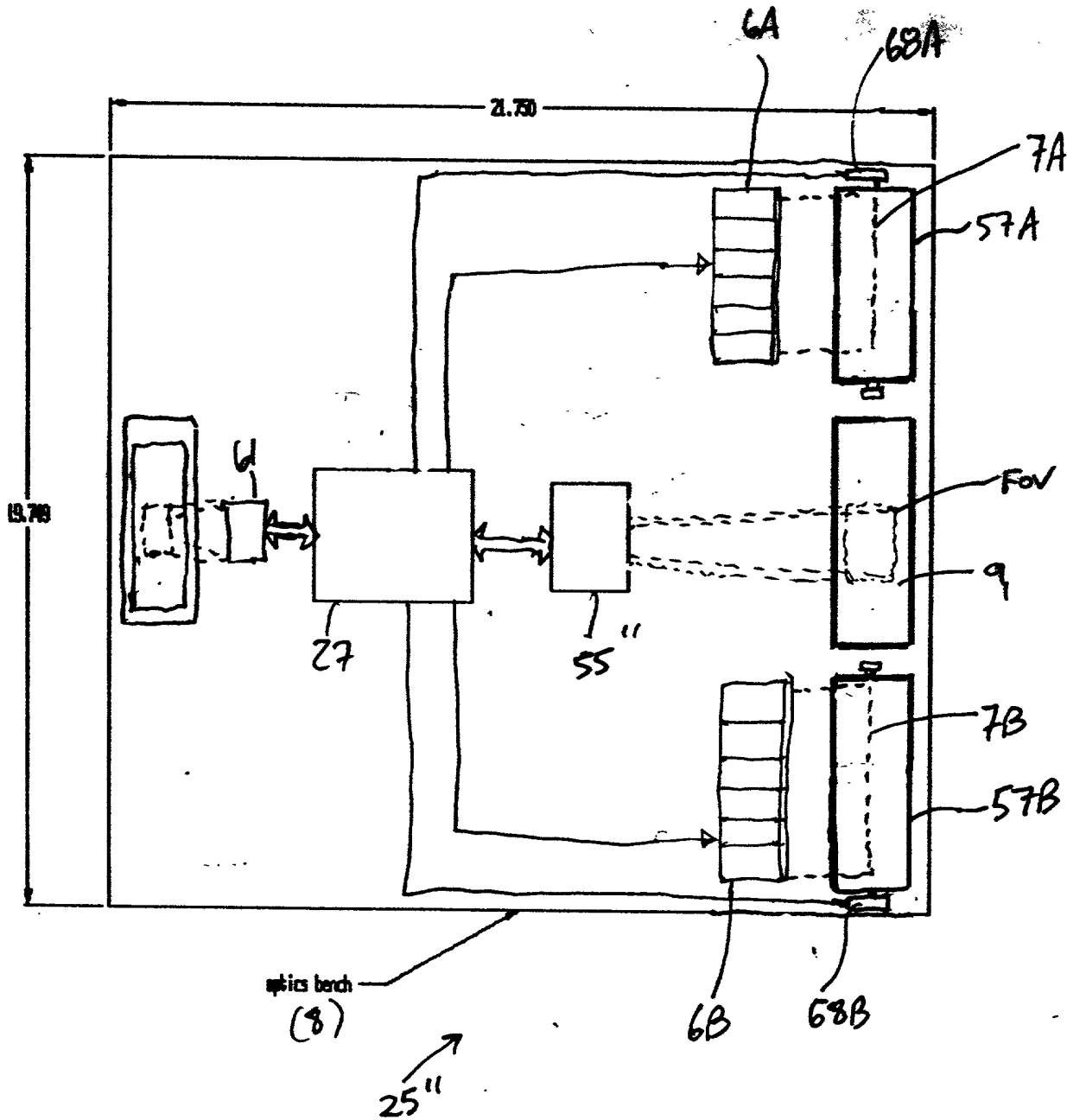
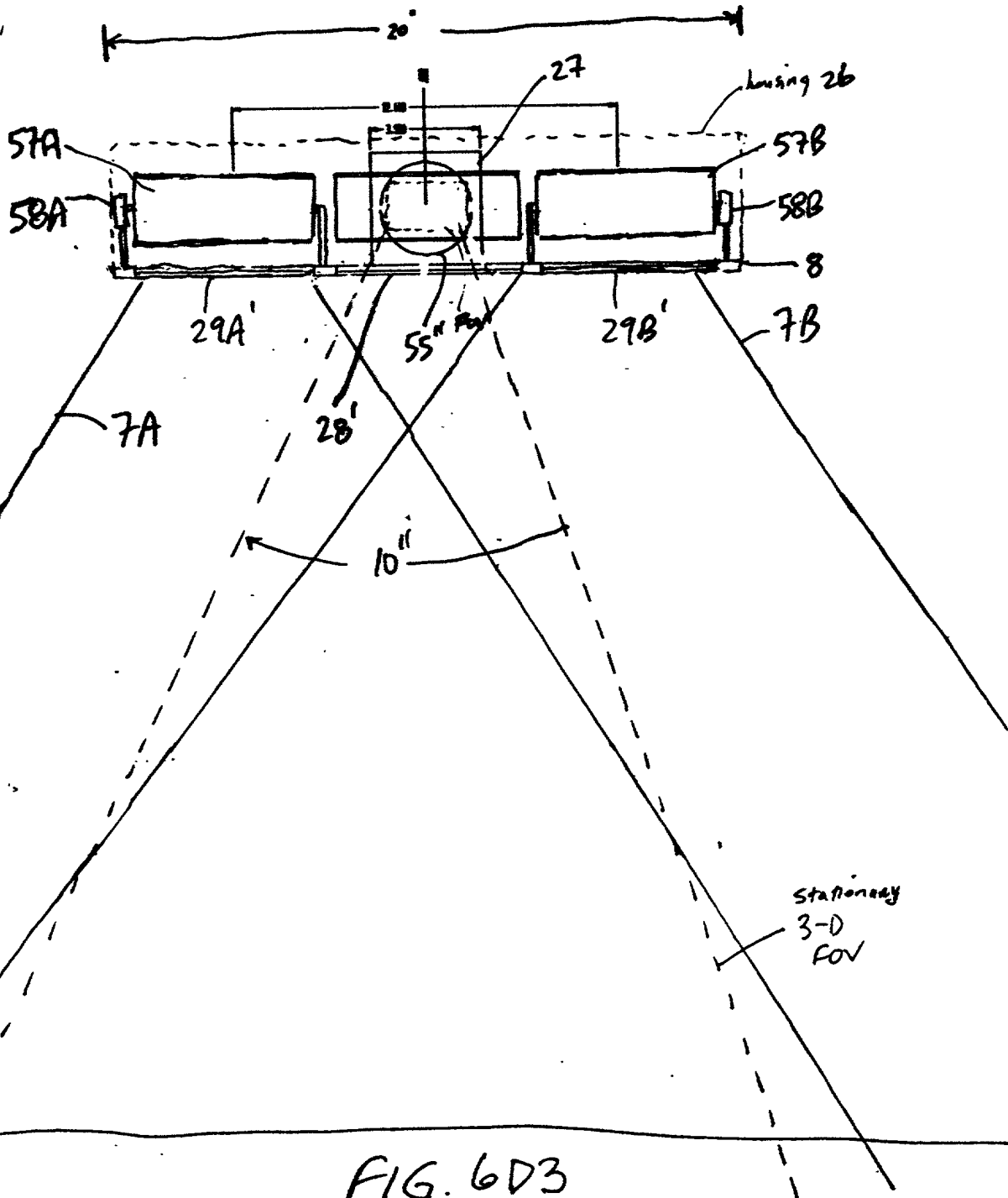


FIG. 6D2



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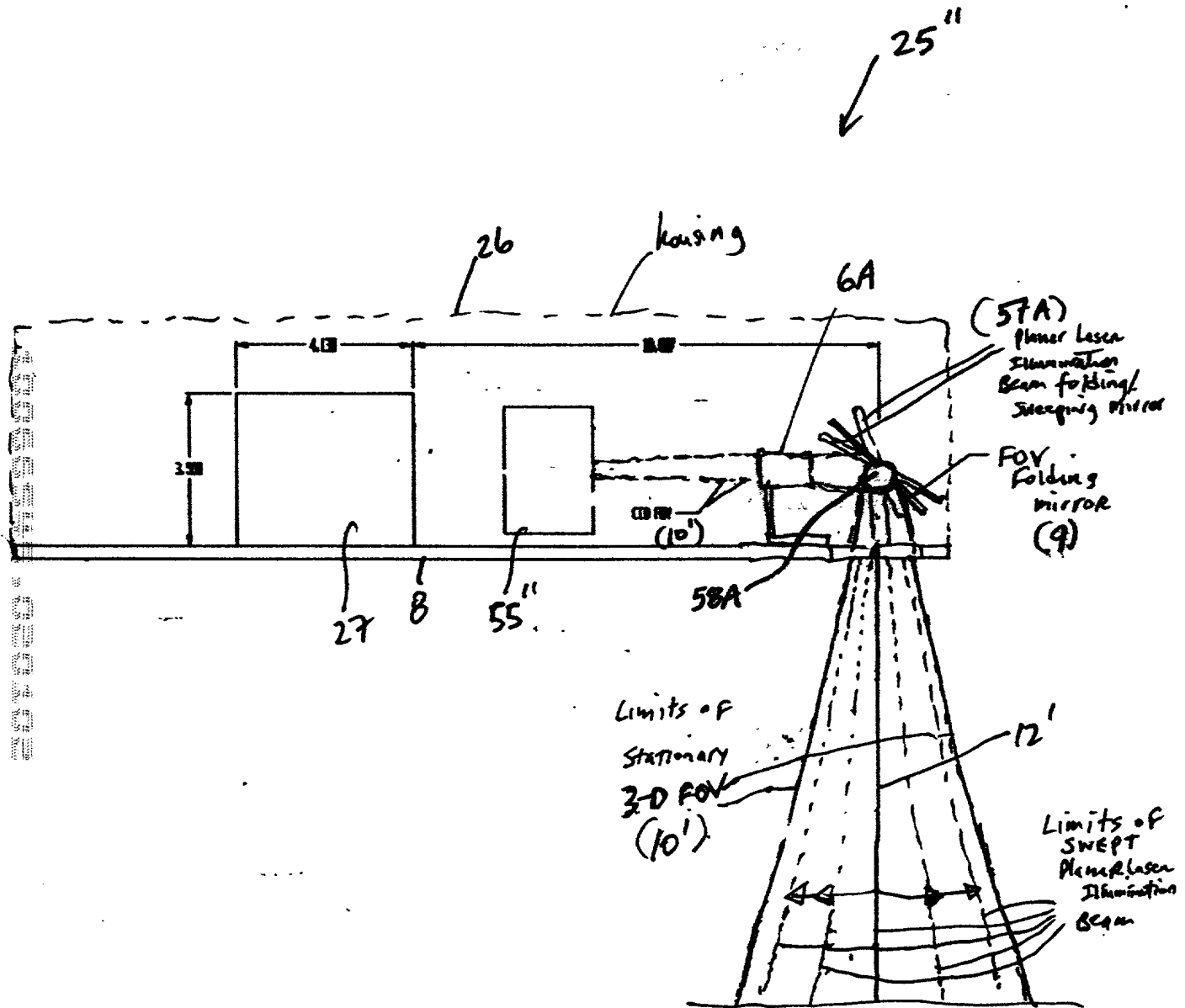


FIG. 6D4

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variable FOV

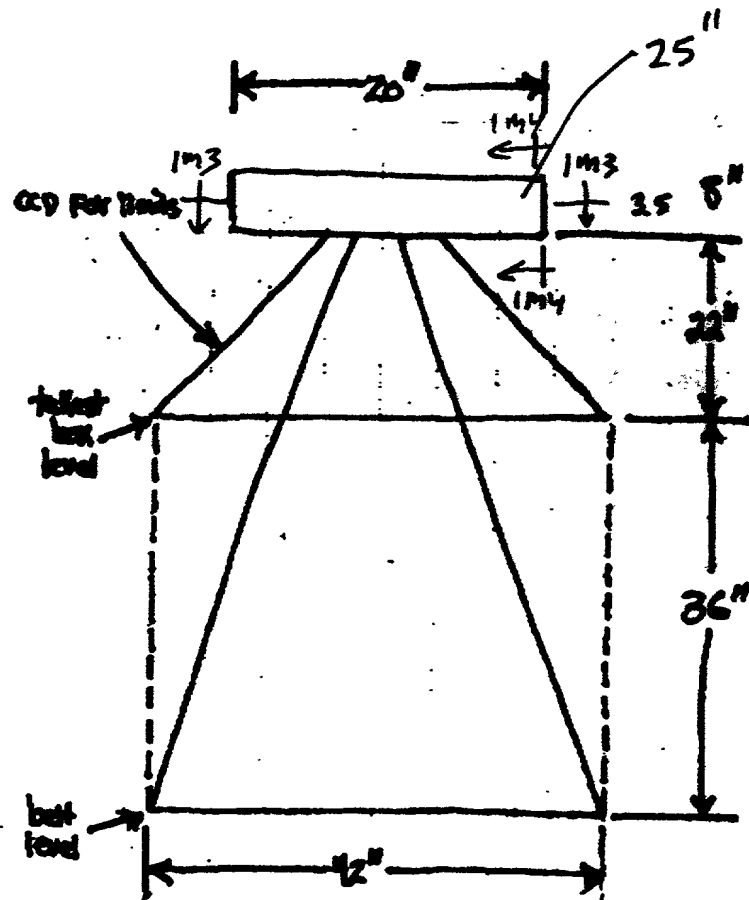


FIG. 6D5

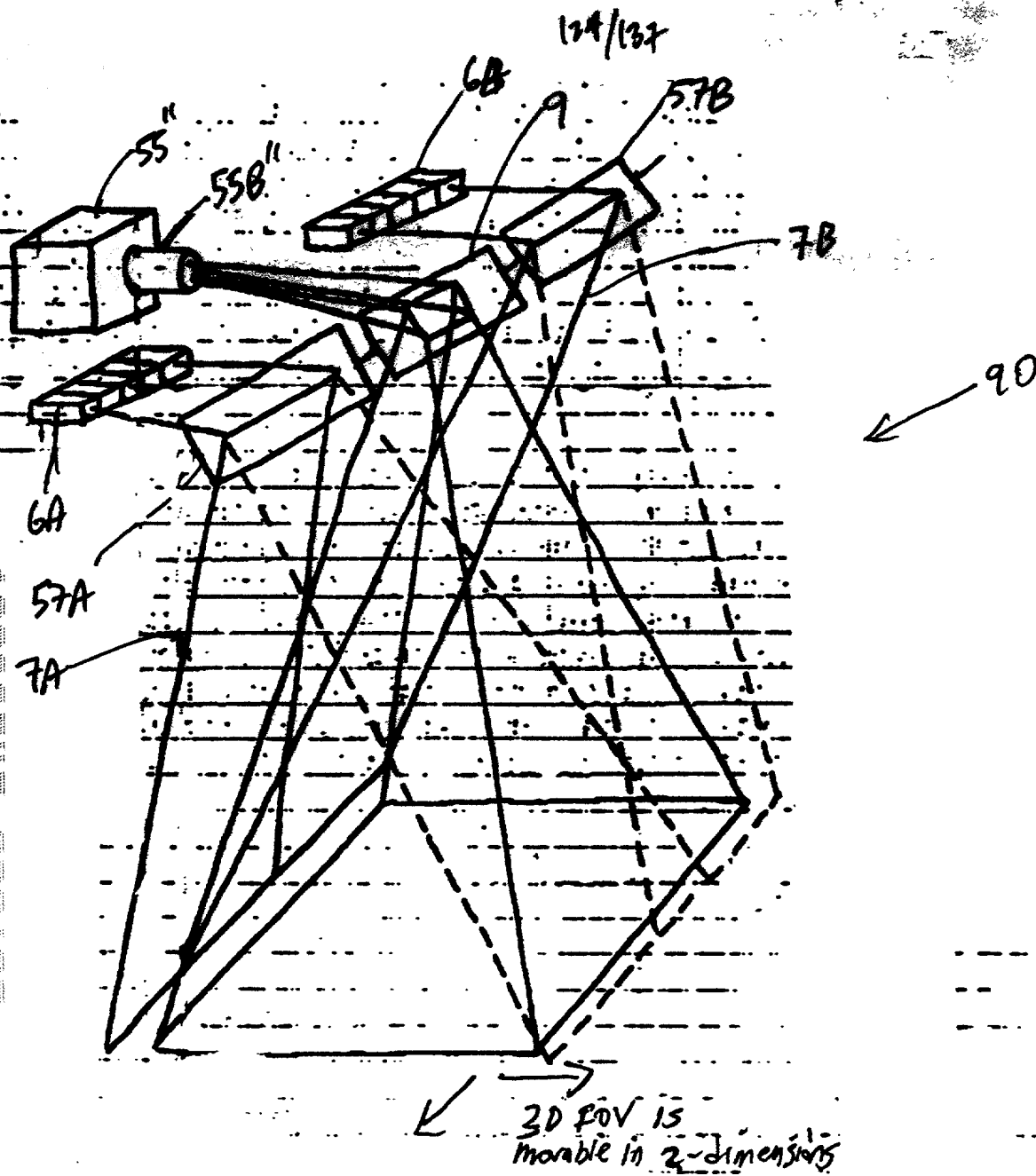
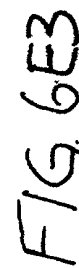


FIG 6E1

FIG. 6E2

FIG. 6f2

[illegible]

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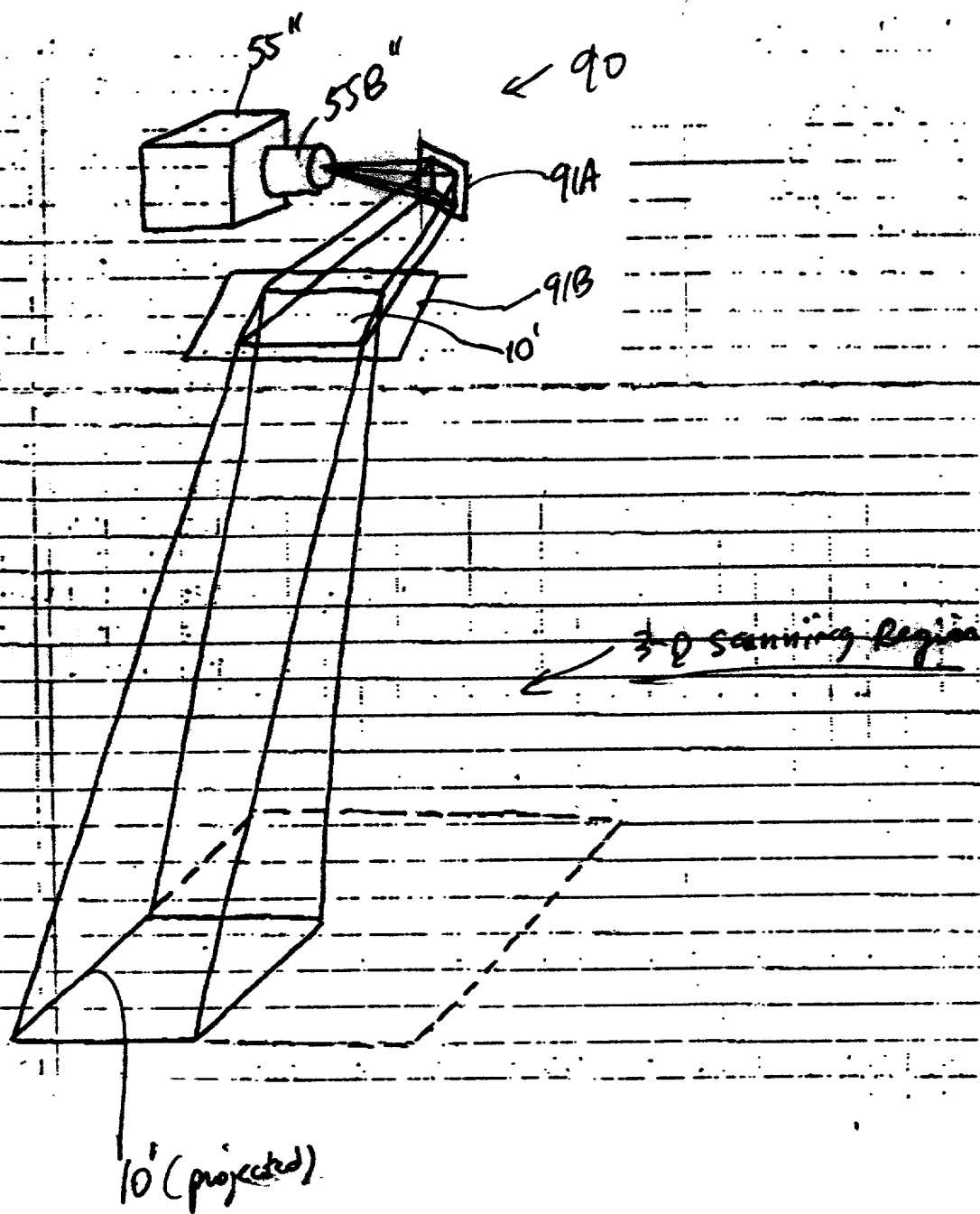


FIG. 6E4

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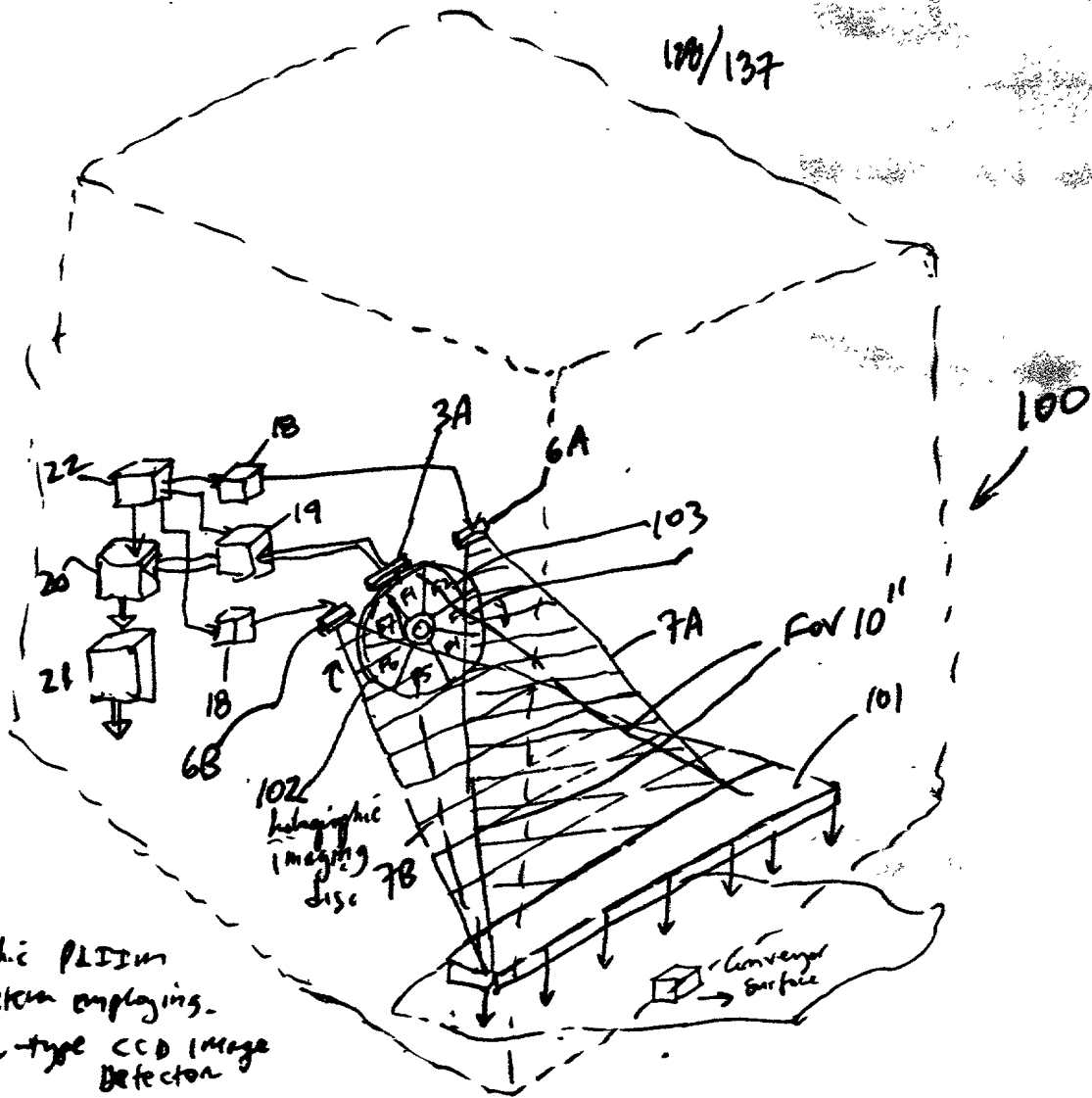


FIG. 7A

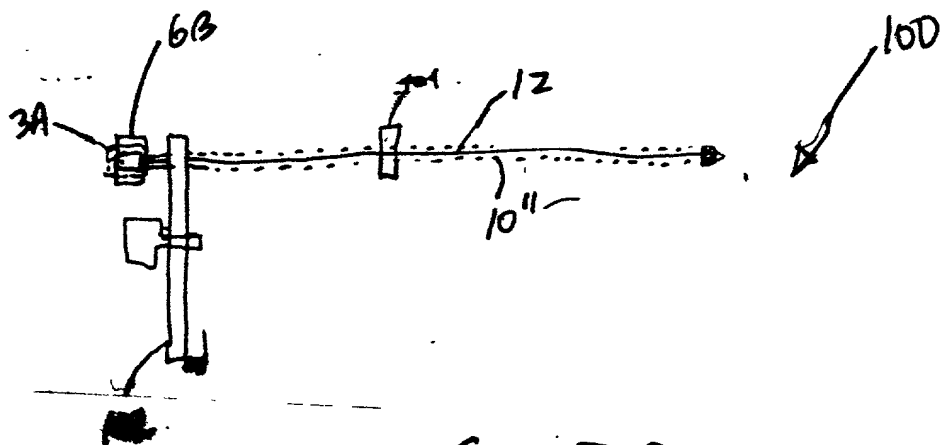


FIG. 7B



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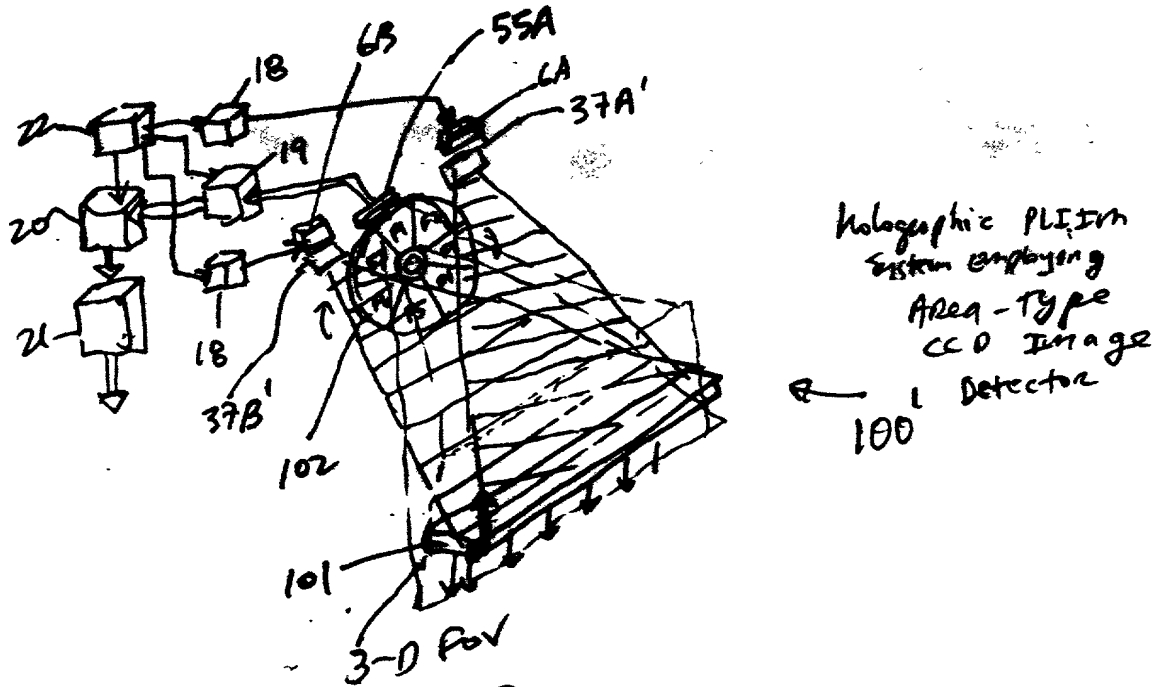


FIG. 8A

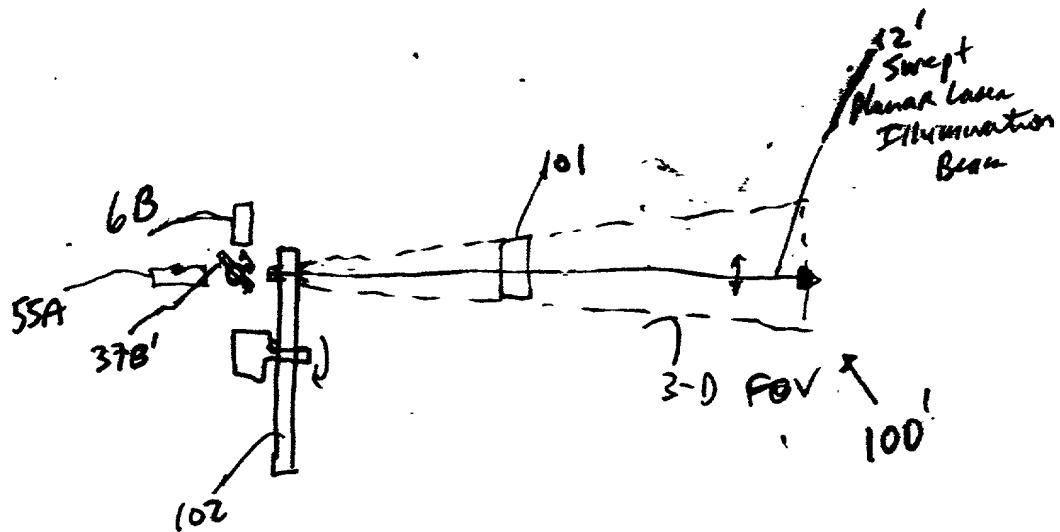


FIG. 8B

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R<sub>LOCAL</sub> 1-D CCD SCANNER EMBODIMENT

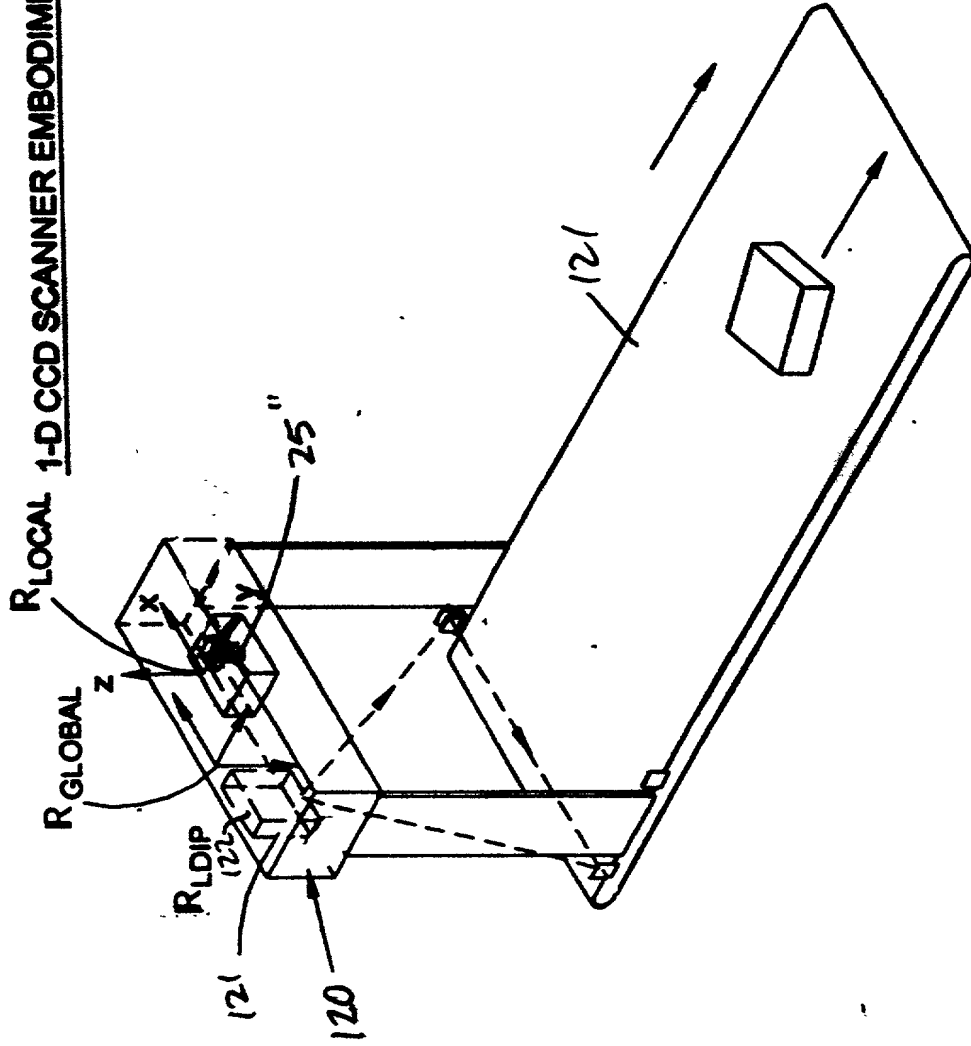


FIG. 9

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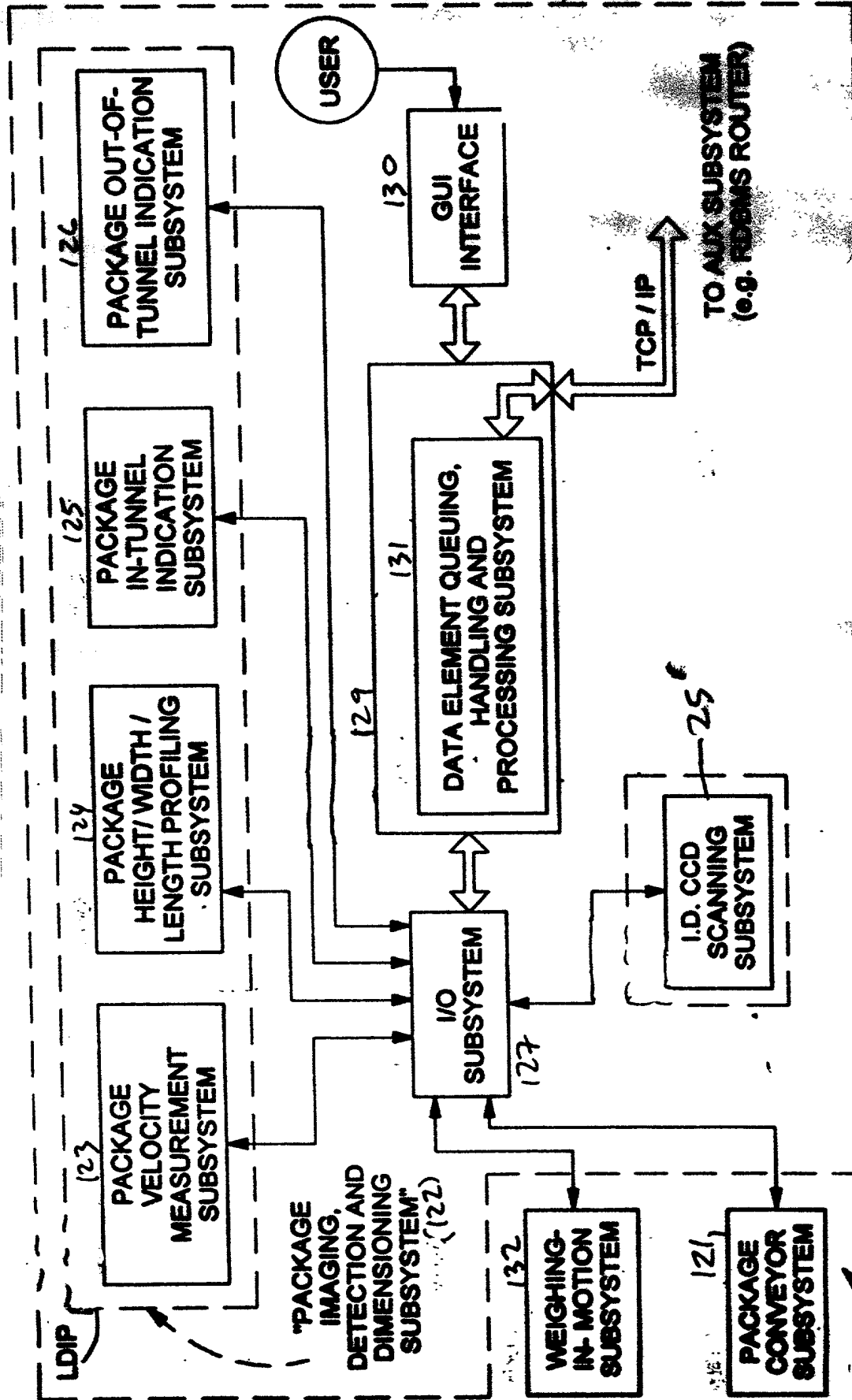


FIG. 10

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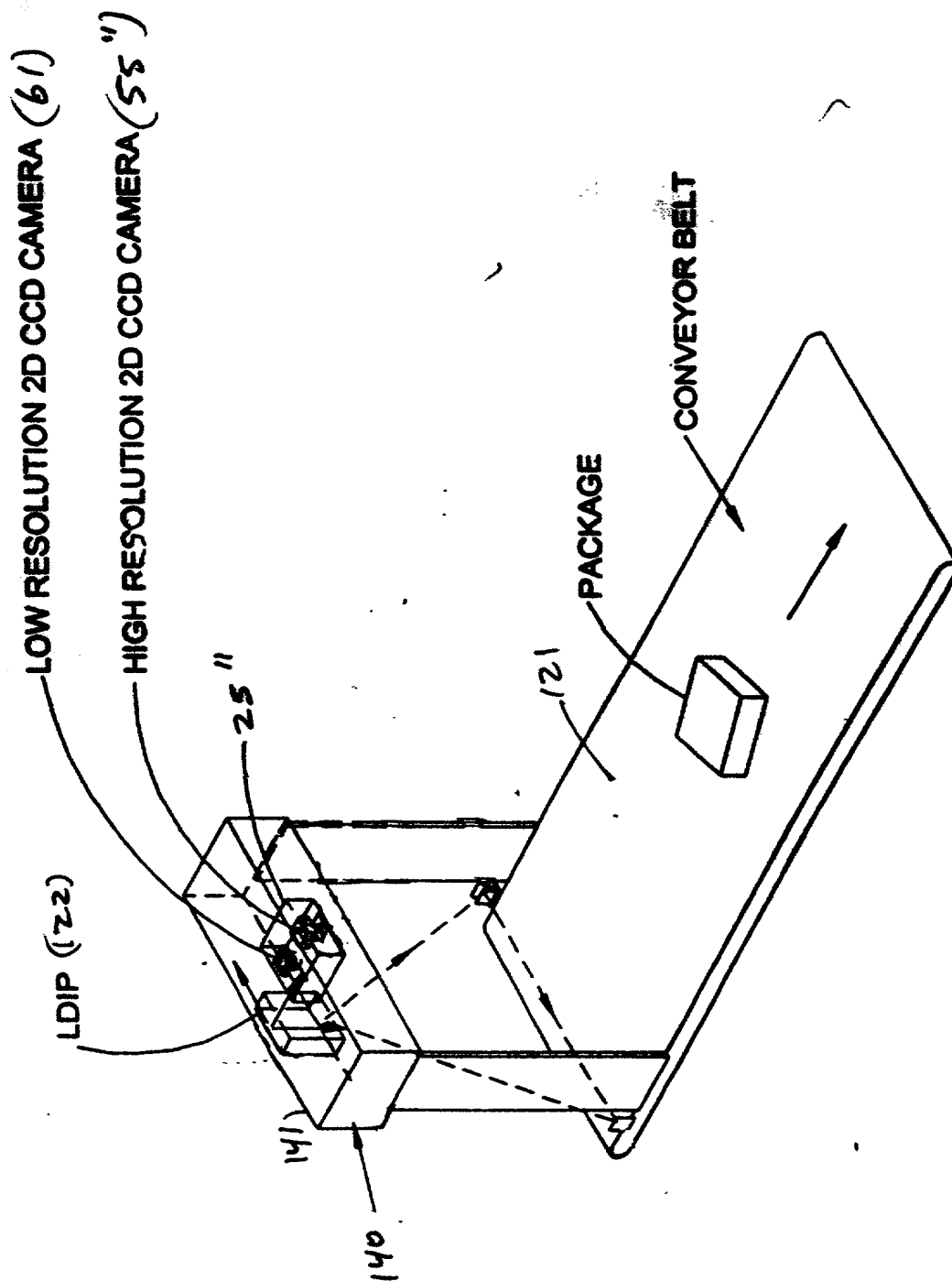


FIG 11

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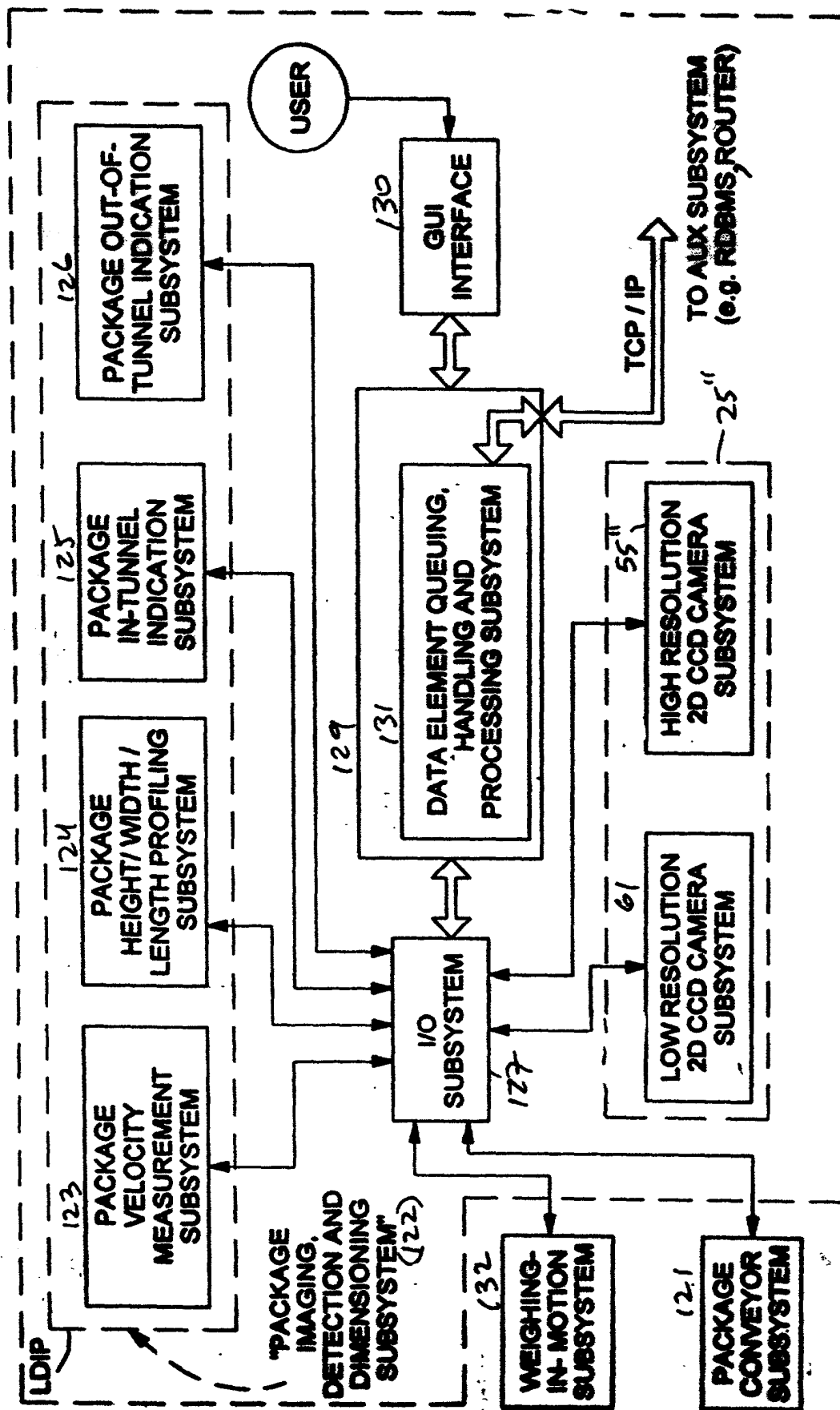


FIG. 12

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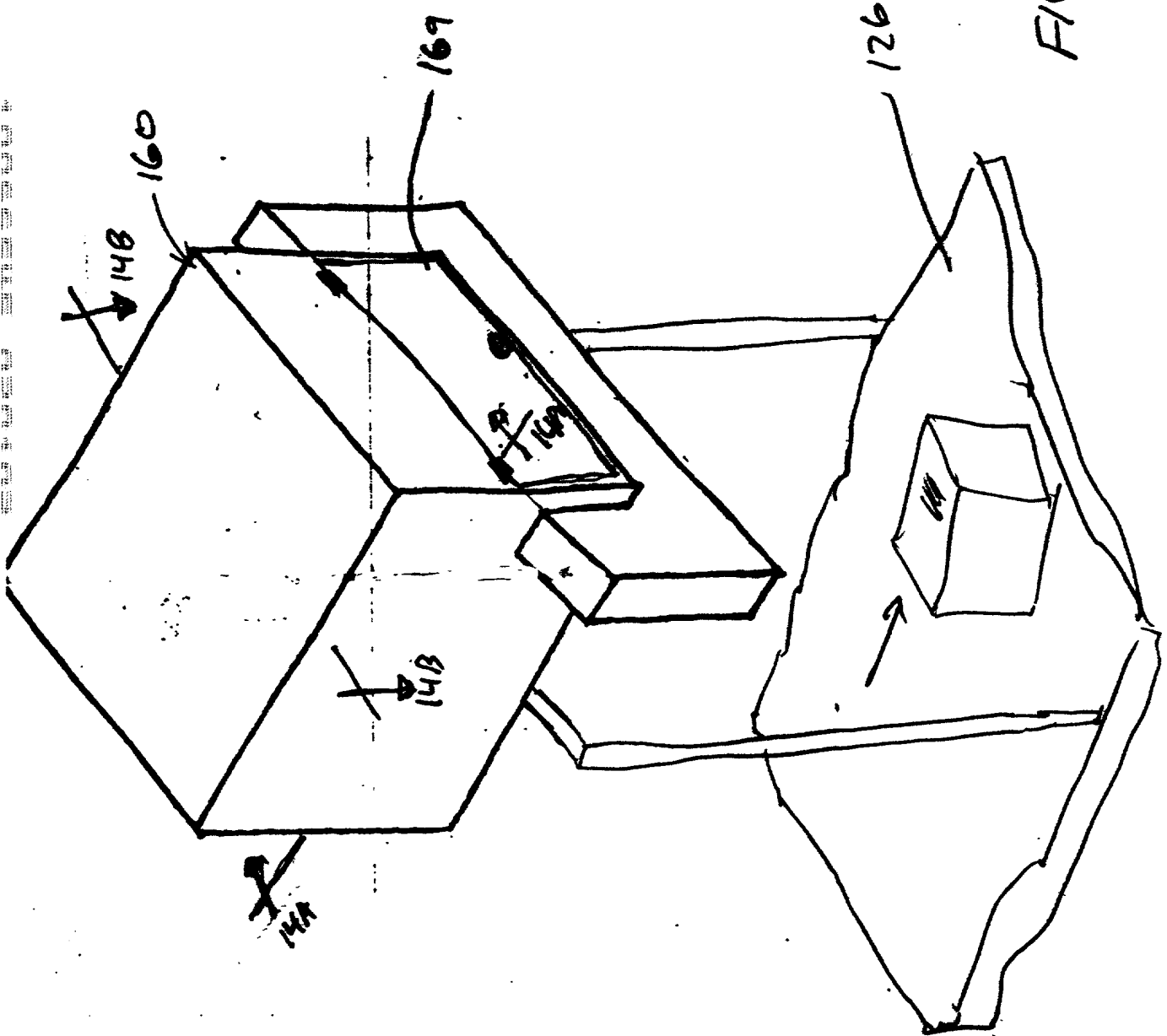


FIG. 13

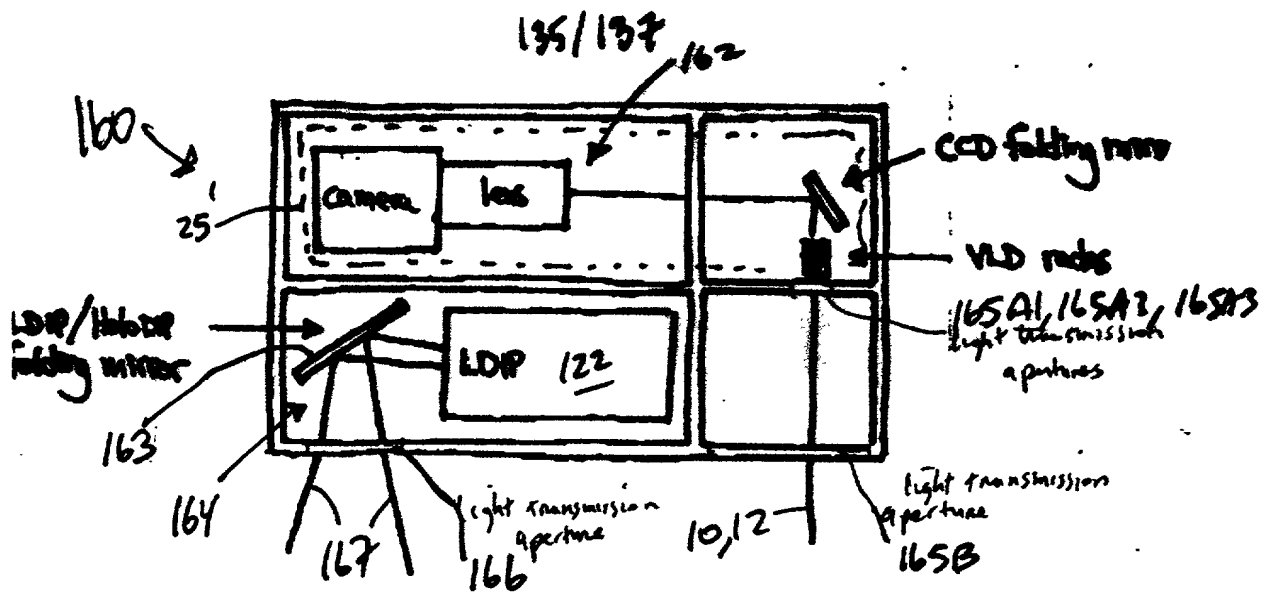


FIG. 14A

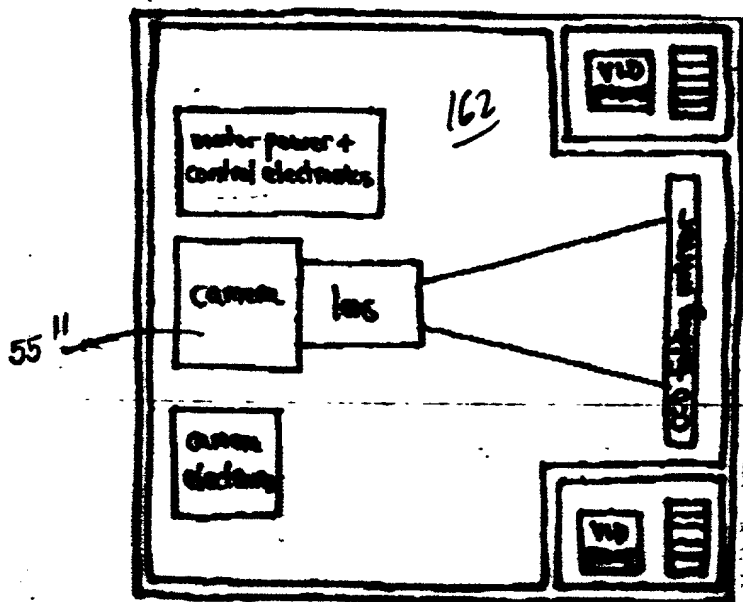


FIG. 14B

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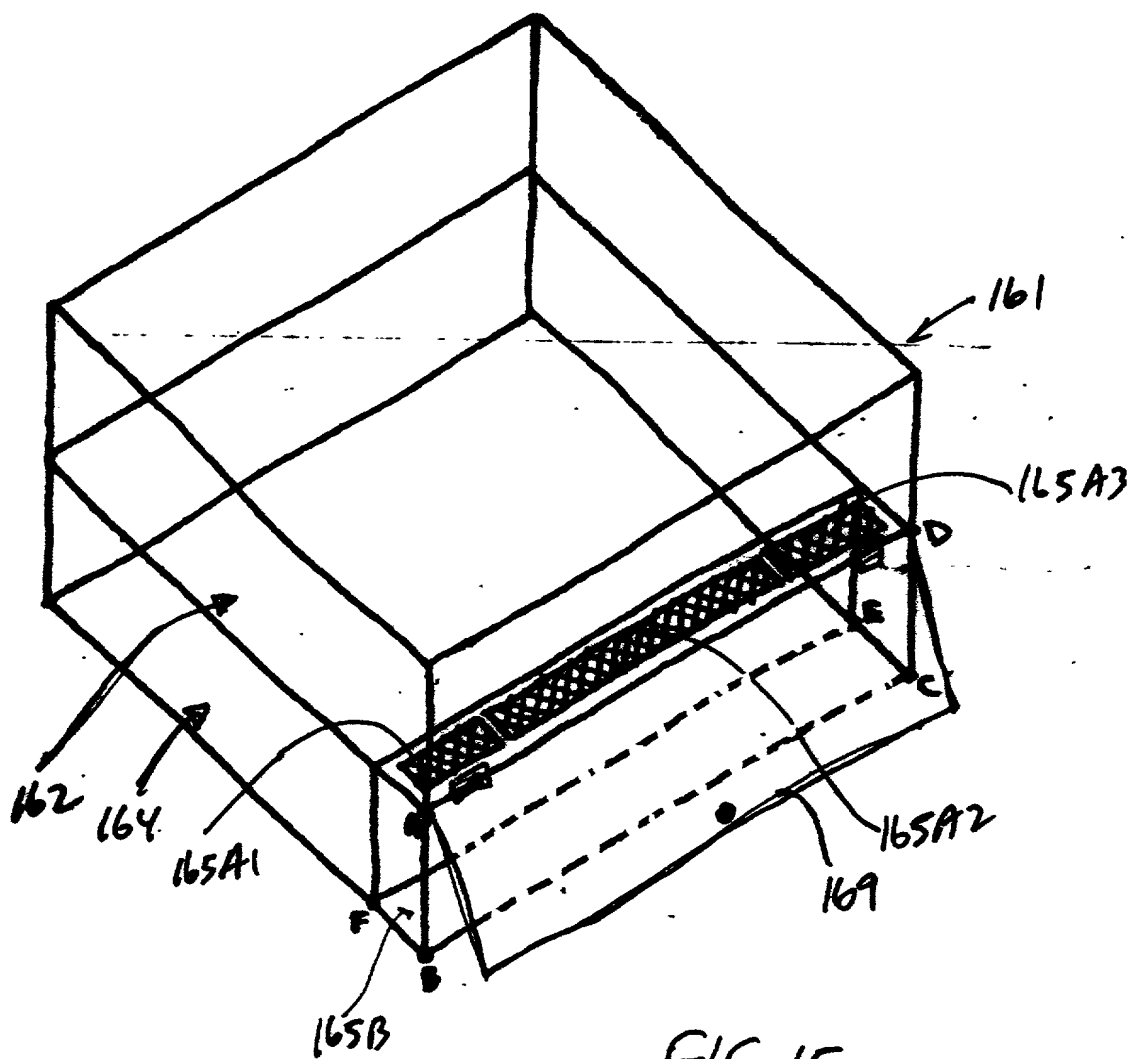


FIG. 15



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